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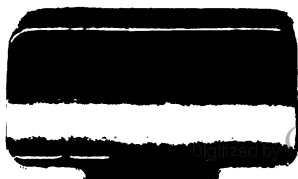
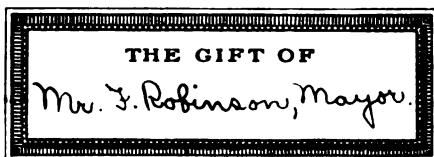
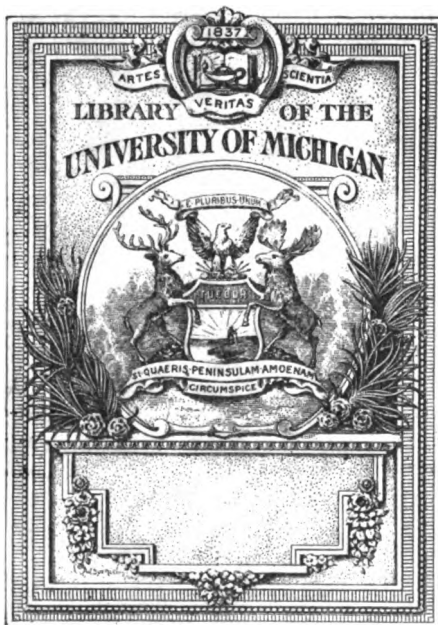
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ANNUAL REPORTS
CITY OF BANGOR
1914 - 15



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CITY OF BANGOR

MAYOR'S ADDRESS

THE ANNUAL REPORTS

OF THE SEVERAL DEPARTMENTS

AND THE

RECEIPTS AND EXPENDITURES

FOR THE MUNICIPAL YEAR

1914-1915

Compliments of
Frank Robinson
Mayor

CITY OF BANGOR

MAYOR'S ADDRESS

THE ANNUAL REPORTS

OF THE SEVERAL DEPARTMENTS

AND THE

RECEIPTS AND EXPENDITURES

FOR THE MUNICIPAL YEAR

1914-1915



BANGOR, MAINE
BANGOR CO-OPERATIVE PRINTING CO.
1915

Bangor City Government

1914-1915

Mayor, JOHN G. UTTERBACK

ALDERMEN

Ward 1. Edward R. Hickson	Ward 4. Albert R. Day
Ward 2. James E. Rogers	Ward 5. William D. Matheson
Ward 3. George Smith	Ward 6. Arthur A. Leadbetter
Ward 7. David J. McGrath	

City Clerk and Clerk of Board, VICTOR BRETT

COMMON COUNCILMEN

President, Joseph E. Friend

Ward 1

Charles A. Quimby	Joseph G. Shine	Charles J. Bernstein
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Ward 2

Frank R. Atwood	John P. Finnigan	John T. Ferry
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Ward 3

Benjamin F. Tefft	John F. McGee	John M. Grant
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Ward 4

Fred C. Ridley	Harry R. Williams	Henry A. Kelley
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Ward 5

Joseph E. Friend	Harry S. Farnham	Eben W. Blunt
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Ward 6

William H. Holman	Edwin H. Carter	George P. Gould
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Ward 7

Charles G. O'Connor	William F. White	Edward P. Higgins
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Clerk of Board, Thomas G. Donovan

Mayor's Address

Gentlemen of the City Council:

The voters of Bangor saw fit, at the last Municipal election, to entrust the management of the affairs of the city for the ensuing year to the present city government, the members of which were placed in nomination for the positions they now hold by different political parties. However, at this time, and as we assume the burdens and responsibilities of office, we are first of all, citizens of Bangor, impressed with the single idea of giving to our city the very best service of which we are capable, and if we do this, at the expiration of our terms of office have merited the confidence of our constituents. Certain conditions confront us as we enter into office, which if carried on to a successful conclusion will demand the exercise of our best judgment, and the harmonious and united efforts of every member of this City Council.

All of the reports of the various city departments, as formerly known, not having been submitted this year, as usual, on account of the new system of bookkeeping installed the past year, we have not had an opportunity to inform ourselves in regard to the standing of the several departments of our city, but we will, later, get such information as will give us a correct understand-

ing of the City's affairs. At this time, in connection with the new system of bookkeeping, I desire to state that a great many of our citizens have been more or less exercised for various reasons, and I am frank to say that some of the complaints seem entirely reasonable. However, we have been to a large expense in the installation of this system and while it may seem to some that there is nothing good in it, a further and perhaps a fairer trial may develop some features that will be valuable to the conduct of our City. I do feel, however, that the great expense of foreign auditors should be stopped, as it must appear to all that our present local auditor must be competent by this time to carry on the work and exemplify any advantages there may be in the system.

Outside of the bonded indebtedness of the City, with which you are familiar, we have a temporary indebtedness coming over from the last administration to the present administration of \$120,000, consisting of notes issued in February amounting to \$70,000 and a loan borrowed from the sinking fund of \$30,000, note given for the Newbury Street property, so called, of \$10,000 and the note given for the Gibbs property of \$10,000, which will all have to be provided for in the taxes this year, but by reasonable appropriations and by careful economy in the management of the City's affairs, we can take care of this indebtedness and also conduct the affairs of the City with no

diminution in the efficiency of any department, and I believe with a very material reduction in the present rate of taxation.

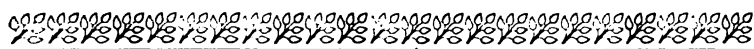
I shall avail myself of the privilege of communicating to you from time to time such recommendations as I deem advisable and for the best interests of our City, firmly believing in the fullest publicity of the financial and all other affairs of the City. I shall have a monthly statement issued from the City Treasurer's office showing the City's exact financial standing, and the financial standing of each department.

A week from today in this hall, and on this stage, you will meet to elect your subordinate city officials, and the success of this administration depends in a great measure upon the wisdom of your selection to be the heads of the various departments. Do not swerve from the selection of the best men for the various offices by any personal feelings or friendly interest, but rather select them on the broad ground of who can best serve the City's interests faithfully and intelligently, exercising the same judgment that every careful business man gives to his business affairs. And here, I would recommend to this City Government, when electing your subordinate city officials, the separation of the offices of City Engineer and Street Commissioner, which during the past year have been combined in one man. I believe this would not only result in increased efficiency in both

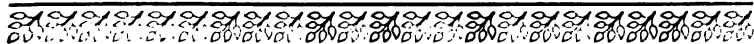
departments, but also a more economical administration with better results, as well.

In conclusion, Gentlemen, I would state that I purpose to give one year of my time to the welfare of this, the Queen City of the East, and I personally solicit your aid in assisting me to carry forward every measure that will improve its financial and moral condition, and every measure that tends to the betterment of humanity, everything, in every way, that makes for the good of all our people.

FRANK ROBINSON, Mayor.



Report of the City Auditor



City Auditor's Report

To the Honorable, the Mayor, and the City Council:

I herewith submit a report in accordance with the order passed by the City Council on March 15, 1915, requesting a detailed report of the receipts and expenditures of the City for the fiscal year ended February 28, 1915.

The totals of the details are in accordance with the total expenditures charged to each appropriation, as shown by the report of Cooley & Marvin Co., who were appointed Auditors for the year.

Respectfully submitted,

L. C. EVERETT,

City Auditor.

REVENUE EXPENDITURES

For the Fiscal Year Ending February 28, 1915

GENERAL GOVERNMENT

Aldermen & Council:

Salaries.....		\$ 117 25
General Expenses.....		87 28
Printing and Advertising.....		\$73 68
Bangor Publishing Co., advertising.....	\$ 9 60	
Bass, J. P. Pub. Co., printing.....	5 00	
Burr, T. W. Ptg. & Adv. Co., printing.....	59 08	
Supplies.....		\$13 60
Sekenger, Adam, flowers.....	\$10 00	
Supply Dept., ink.....	60	
King, H. A., Dr., Examination of insane case....	3 00	

Mayor:

Salary		\$1,421 60
General Expenses		97 70
Telephone		\$3 65
New England Tel. & Tel. Co.	\$3 65	
Supplies		\$33 10
Cannon & Co., City directory	\$ 3 00	
Dangel, H. & Co., 1000 letter heads	10 60	
Earle, W. H., rubber stamps	2 10	
Hodgkins & Fiske Co., clothes pole; making over rug	6 50	
Supply Dept., office supplies	60	
Utterback, J. G., office expense	10 30	
Advertising		\$22 25
Bangor Publishing Co.	\$ 9 00	
Bass, J. P. Pub. Co.	13 25	
Miscellaneous		\$38 70
Highway Dept., scraping river for racing and skating ing	\$33 15	
Postal Telegraph Cable Co., telegram	35	
Utterback, J. G., carriage hire, etc.	5 20	

Auditor & Auditing:

Salaries		\$1,620 48
Auditor	\$1,168 48	
Assistant	\$452 00	
Equipment & General Expenses		\$961 44
Office Supplies		\$255 76
Burr, T. W. Ptg. & Adv. Co.	\$16 86	
Cannon & Co., City directory	3 00	
Deatly, Arthur C. & Co., analysis paper	7 19	
Dillingham, E. F., Stylographic pens	2 50	
Earle, W. H., rubber stamp	1 00	
Glass, C. H. & Co., stationery	98 87	

Auditor and Auditing — Continued

Perry, Olive N.....	2 00	
Smith, L. C. Bros., rent of typewriter.....	3 00	
Sullivan, Dan T., office supplies.....	116 55	
Supply Dept., office supplies.....	4 79	
Postage.....		\$5 00
Meinecke, F. H.....	\$5 00	
Printing.....		\$117 92
Burr, T. W. Ptg. & Adv. Co.....	117 92	
Telephone.....		\$2 96
New England Tel. & Tel. Co.....	\$2 96	
Bond.....		\$20 00
Carter, Edwin H.....	\$20 00	
Furniture.....		\$543 80
Burroughs Adding Machine Co. Add. Mch.....	245 00	
Underwood Typewriter Co., typewriter.....	119 25	
Library Bureau, filing cabinet.....	55 50	
Maine Central R. R. Co., Fgt. of steel cabinet.....	05	
Sullivan, Dan T., 2 drawer cabinet.....	4 00	
Water Dept., furniture.....	120 00	
For auditing bills previous to May.....		\$16 00
Brett, Victor.....	\$16 00	

Treasurer and Collector:

Salaries.....		\$3,003 50
Treasurer and collector.....	\$1,877 20	
Assistant.....	1,126 30	
General expenses.....		\$936 87
Making up reports.....		\$175 00
Donovan, T. G.....	\$175 00	

Treasurer and Collector — Continued

Supplies		\$138 41
Adder Machine Co., ribbon for adding machine...	\$ 75	
Burr, T. W. Ptg. & Adv. Co.....	16 80	
Cannon & Co., City directory.....	3 00	
Dickey, W. P. & Co., liquid glue.....	45	
Dillingham, E. F., binding and supplies	36 00	
Donham, C. M., State Register.....	2 00	
Earle, W. H., rubber stamp.....	80	
Hight & Carle, office supplies.....	3 90	
Jellison, H. M., adding machine ribbon.....	1 00	
Maverick & Wissinger Co.....	12 35	
Pierce, H. O.....	49	
Standard Stamp Affixer Co.....	52	
Sullivan, Dan T., office supplies.....	33 85	
Sweet, Caldwell Co.	1 50	
Todd, G. W. & Co., protectograph.....	25 00	
Postage		\$248 10
Bangor Post Office.....	\$180 54	
Burr, T. W. Ptg. & Adv. Co., stamped envelopes .	23 20	
Glass, C. H. & Co., stamped envelopes	23 00	
Pierce, H. O., stamped envelopes	21 36	
Printing		\$184 27
Bacon, J. H.....	47 25	
Burr, T. W. Ptg. & Adv. Co.....	137 02	
Advertising		76 45
Bangor Publishing Co.....	33 76	
Bass, J. P. Pub. Co.....	42 69	
Telephone		2 45
New England Tel. & Tel. Co.....	2 45	
Bonds		62 50
Union Safe & Deposit Co.....	62 50	
All other		49 69
American Express Co., package to State Pension Agt.....	24	

Treasurer and Collector — Continued

Bangor Post Office, box rent	3 00
Bennett, Frank P. & Co., Inc.	1 25
Dillingham, E. F.	12 00
Pierce, H. O.	33 20

Assessors:

Salaries		4,516 40
Assessors	3,378 90	
Assistant assessors	587 50	
Allen, Arthur A., 40 days, Ward 1	100 00	
Batchelder, Paul J., 33 days, Ward 6	57 50	
Chase, A. L., 26 days, Ward 4	65 00	
Frost, Frank W., 23 days, Ward 2	82 50	
Frost, Leslie L., 35 days, Ward 7	87 50	
Stone, John H., 40 days, Ward 5	100 00	
York, C. A., 38 days, Ward 3	95 00	
Clerk	550 00	
General Expenses		1,329 31
Supplies	274 97	
Bangor Co-Operative Ptg. Co., printing	11 75	
Burr, T. W. Ptg. & Adv. Co., printing	9 12	
Cannon & Co., 3 City directories	9 00	
Donham, G. M., State Register	2 00	
Dillingham, E. F., office supplies	1 50	
Earle, W. H., stamps, etc.	6 25	
Eastman, F. W., Register of Probate	6 00	
Glass, C. H. & Co., cards	2 75	
Hight & Carle, office supplies	4 25	
Jones, L. E., office supplies	155 62	
Library Bureau, cards, etc.	37 26	
Remington Typewriter Co., ribbons for typewriter ..	4 50	
Smith & West, supplies	6 18	
Sullivan, Dan T., office supplies	12 25	
Supply Dept., office supplies	6 54	

Assessors — Continued

Maps.....		250 51
Pierce, H. O., City Treasurer.....	250 51	
Telephone.....		37 80
New England Tel. & Tel. Co.....	37 80	
Postage.....		23 50
Glass, C. H. & Co., stamped envelopes.....	23 50	
Printing.....		60 25
Burr, T. W. Ptg. & Adv. Co.....	3 60	
Glass, C. H. & Co.....	56 65	
Advertising.....		21 00
Bangor Publishing Co.....	8 50	
Bass, J. P. Pub. Co.....	12 50	
Office furniture and fixings.....		496 30
Cutter, L. W., 2 oak trays.....	15 96	
Jones, Leslie E., typewriter.....	97 20	
Library Bureau, card index and set oak drawers...	330 54	
Sullivan, Dan T., typewriter desk numbering machine	52 60	
Miscellaneous.....		164 98
Bass, J. P. Pub. Co., Sub. to Daily Com.....	6 00	
Derby, G. B. Co., trucking.....	75	
Gardner, Gail B., list of names.....	74 25	
Givren, Mary A., reporting conveyances.....	42 08	
Griffin, C. L., teams.....	31 50	
Holtzer-Cabot Electric Co.....	10 25	
Vose, P. H. Co., water bottle.....	15	

Law:

Salary.....		563 15
General Expenses.....		376 01
Stationery.....		4 65
Sullivan, Dan T.....	4 65	

Law — Continued

Witness Fees.....		113 61
Curran, W. F.....	25 00	
Nason, David J.....	61 21	
Pember, Elmer F.....	25 00	
Perkins, Fred W.....	2 40	
Assistant to City Solicitor.....		250 00
Clark, Hugo, services case of J. P. Bass against City of Bangor.....	250 00	
All other.....		7 75
Blanchard, B. W., copies of suits vs. City.....	5 00	
Burr, T. W. Ptg. & Adv. Co.....	2 25	
Sullivan, Dan T.....	50	

City Clerk:

Salaries, fees and wages.....		2,072 70
Fees.....		294 16
Brett, Victor.....	294 16	
Salary of Clerk.....		938 54
Salary of Assistant.....		840 00
General Expenses.....		455 71
Office expenses.....		79 17
American City, subscription.....	2 00	
Brett, Victor, express, etc.....	24 88	
Cannon & Co., City directory.....	3 00	
Dillingham, E. F., "Record".....	1 60	
Donham, G. M., State Register.....	2 00	
Ridley, F. C. Transfer Co., trucking.....	25	
Sampson & Murdock Co., New Eng. Directory....	6 00	
Sullivan, Dan T., office supplies.....	19 96	
Supply Dept., office supplies.....	3 89	
Western Union Telegraph Co., rent of clock.....	15 59	

City Clerk—Continued

Stationery & Printing.....		81 10
Bacon, J. H., printing.....	14 75	
Burr, T. W. Ptg. & Adv. Co., printing.....	21 65	
Dangel, H. Co., envelopes.....	7 50	
Dillingham, E. F., stationery.....	4 25	
Elliott Fisher Co., coupon book.....	7 00	
Glass, C. H. & Co., ballots.....	9 50	
Sullivan, Dan T., stationery.....	16 45	
Advertising.....		31 24
Bangor Publishing Co.....	19 90	
Bass, J. P. Pub. Co.....	11 34	
Telephone.....		29 50
New England Tel. & Tel. Co.....	29 50	
Postage.....		27 85
Brett, Victor.....	27 85	
Office Furniture.....		206 85
Elliot Fisher Co., book, typewriter and typewriter table.....	206 85	

Department of Supplies:

Salaries and Wages.....		2,141 20
Purchasing Agent.....	1,877 20	
Assistant.....	264 00	
General Expenses.....		243 63
Supplies.....	111 59	
Bangor Co-Operative Ptg. Co., printing.....	11 75	
Bass, J. P. Pub. Co., advertising.....	12 00	
Earle, W. H., stamp.....	25	
Glass, C. H. & Co., envelopes, paper, etc.....	71 29	
Inforati, A. J., sign.....	75	
Maine Central R. R. Co., storage.....	25	

Department of Supplies — Continued

Meinecke, F. H., stamps, etc.....	4 05	
Savage, T. R. & Co., matches.....	4 25	
Sullivan, Dan T., office supplies.....	7 00	
Express.....		\$ 1 33
Meinecke, F. H.....	\$ 1 33	
Telephone & Telegraph.....		\$ 45 66
New England Tel. & Tel. Co.....	\$ 45 10	
Postal Telegraph Cable Co.....	56	
Furniture and Fixtures.....		\$ 85 05
Jones, Leslie, typewriter.....	\$ 85 05	
Supplies for Distribution.....		\$ 32 04
Supplies.....		\$ 32 04
Armour & Co., soap.....	\$ 6 86	
Dillingham, E. F., blotters.....	50	
Hodgkins & Fiske Co., cheese cloth.....	1 36	
Sullivan, Dan T., office supplies.....	11 95	
Supply Department.....	9 37	
Engineering Dept.....	2 00	

Engineering:

Salaries and Wages.....		\$3,214 59
Assistants.....	\$3,214 59	
General Expenses.....		\$ 541 81
Office supplies.....	\$ 391 88	
Bangor Co-Operative Ptg. Co.....	\$ 75	
Buff & Buff Mfg. Co., 1 tripod.....	3 50	
Burr, T. W. Ptg. & Adv. Co.....	18 32	
Cannon & Co., City directory.....	3 00	
Dietzen, E. Co., loose leaves, etc.....	23 56	
Dickey, W. P. & Co., twine, plumb bob.....	50	
Dillingham, E. F.....	4 06	
Donham, G. M., State Register.....	2 00	

Engineering — Continued

Dunning, R. B. & Co., sundries	77	
Earle, W. H., stamp	50	
Engineering Record, subscription	3 00	
Glass, C. H. & Co., cards	1 25	
Jones, Leslie E.	57 74	
Keuffel & Esser Co.	12 69	
Makepeace, B. L., sundries	159 67	
Morse & Co., stakes	17 91	
Rice & Miller Co., oil, etc.	3 70	
Schwartz, M. Sons, crayons	2 25	
Sullivan, Dan T., office supplies	69 09	
Supply Dept., office supplies	1 24	
Sweet, Caldwell Co., 1 pt. germicide	1 38	
Underwood Typewriter Co., card attachment	5 00	
Telephone		61 65
New England Tel. & Tel. Co.	61 65	
Repairs		52 83
Buff & Buff Mfg. Co., Reps. to transit	31 05	
Burroughs Adding Machine Co., repairs to adding machine	2 25	
Grant, J. M.	6 63	
Keuffel & Esser Co.	1 40	
Lynch, M. & Co., keys	3 65	
Martins Bros., repairs on maps	1 20	
Smith & West.	15	
Underwood Typewriter Co., repairs on typewriter	6 50	
Stationery and Postage		\$ 24 00
Bangor Co-Operative Ptg. Co.	\$ 16 50	
Sullivan, Dan T., stationery	7 50	
Other		\$ 11 45
Bangor Savings Bank, storage rent	\$ 2 00	
Haynes & Chalmers Co., axe	1 25	
Highway Department	10	
Raynes, L. B., helping on annual report	7 60	
Rice & Miller Co., axe	50	

Inspector of Buildings:

Salaries and Wages.....		\$ 281 57
General repairs expense.....		\$5,778 90
City Hall.....	\$1,314 20	
Angle, Edw. H., repairs on bell.....	25 22	
Babb, C. H. & Co.....	567 10	
Bangor Window & Sign Cleaning Co.....	50	
Bragg, N. H. & Sons.....	1 84	
Cutter, L. W.....	15	
Eastman, E. B.....	93	
Electric Dept., repairing striker on bell in City Hall tower.....	2 50	
Fairbanks Bros.....	55 00	
Grant, J. M.....	232 89	
Kelley, E. F. & Sons.....	14 75	
Lynch, M. & Co.....	50	
Maine Plumbing Co.....	1 27	
McAuley & Kennedy.....	49 05	
McCarthy, Henry J.....	44 56	
Merryman, A. N.....	71 58	
Morse & Co.....	14 26	
Morse, F. S.....	151 68	
Patten, L. P.....	16 00	
Reilly, R. J., Roofing Co.....	16 24	
Rice & Miller Co.....	27 68	
Tibbetts, M.....	20 50	
City Stables.....	\$1,370 27	
Acme Mfg. Co., paint.....	\$ 63 35	
Atkins Bros., painting.....	17 95	
Bragg, N. H. & Sons.....	22 72	
Cutter, L. W.....	92 28	
Eastern Cement Co., cement.....	8 08	
Eastman, E. B.....	10 50	
Haynes & Chalmers Co.....	18 50	
Highway Department.....	158 22	
Hopkins, A. R. Co.....	2 00	
Maine Plumbing Co.....	7 83	

Inspector of Buildings — Continued

Mason, Jas. H.....	7 02	
Morse & Co.....	385 01	
Morse, Frank S.....	465 87	
Rice & Miller Co.....	12 29	
Tibbetts, M.....	4 50	
Woodman, C. Co.....	55 15	
Young Lumber Co.....	39 00	
Fire Station.....		\$ 782 48
Babb, C. H. & Co.....	16 81	
Chapman & Bailey.....	170 61	
Cutter, L. W.....	159 50	
Eastman, E. B.....	39 00	
Haynes & Chalmers Co.....	20 03	
Hopkins, A. R. Co.....	29	
Kelley, E. F. & Sons.....	136 64	
Mason, John & Son.....	8 75	
McAuley & Kennedy.....	64 81	
Morse & Co.....	16 67	
Reilly, R. J. Roofing Co.....	16 21	
Rice & Miller Co.....	4 27	
Rimback, Geo. A.....	10 00	
Tibbetts, M.....	33 00	
Trueworthy, John W.....	27 51	
Woodman, C. Co.....	58 38	
Election Booths.....		\$ 382 50
Cutter, L. W.....	\$ 13 58	
Dunning, R. B. & Co.....	1 25	
Eastman, E. B.....	7 50	
Electric Dept., watt lamps.....	2 68	
Highway Dept.....	1 12	
Lynch, M. & Co.....	50	
McAuley & Kennedy.....	5 77	
Morse, F. S.....	296 34	
Rice & Miller Co.....	72	
Tibbetts, M.....	37 00	

Inspector of Buildings — Continued

Wood & Bishop Co.....	15 50	
Woodman, C. Co.....	54	
Electric Station.....		\$ 87 29
Cutter, L. W.....	\$ 45	
Eastman, E. B.....	1 50	
Morse & Co.....	3 61	
Morse, F. S.....	24 26	
Reilly, R. J., Roofing Co., repairs on roof.....	51 70	
Rice & Miller Co.....	5 77	
City Armory.....		\$ 374 01
Haynes & Chalmers Co.....	\$ 2 54	
Highway Dept.....	40 64	
Morse & Co.....	49 51	
Morse, F. S.....	263 73	
Rice & Miller Co.....	8 61	
Union Iron Works.....	8 98	
Almshouse.....		\$ 635 40
Dunning, R. B. & Co.....	41 02	
Highway Dept.....	28 00	
Matheson, Frank O.....	295 50	
Morse, F. S.....	203 66	
Rice & Miller Co.....	21 55	
Snow & Nealley Co.....	45 67	
Pumps.....		\$ 19 38
Conant, C. M. Co.....	\$ 8 55	
Dunning, R. B. & Co.....	10 83	
House on Webster Ave.....		\$ 127 77
Atkins Bros. & Co.....	10 78	
Dunning, R. B. & Co.....	2 30	
Haynes & Chalmers Co.....	4 45	
Lewis, H. R. & Co.....	35	
Miles, Chas.....	21 25	

Inspector of Buildings — Continued

Morse & Co.....	16 35	
Rice & Miller Co.....	2 40	
Ridley, F. C., Baggage Transfer Co.....	75	
Washburn, Melvin.....	33 00	
Woodman, C. Co.....	36 14	
General Expenses.....		\$ 685 60
Bangor Co-Operative Ptg. Co., permit cards and blanks.....	3 50	
Bass, J. P. Pub. Co., Adv. proposal to repair Room 1.....	1 67	
Cassidy, T. F. & Son.....	50	
Cutter, L. W.....	67 09	
Dickey, W. P. & Co., wire cloth and screws.....	35	
Dunham-Hanson Co., 1 lt. ground glass.....	1 20	
Glass, Chas. H. & Co., "permits".....	6 75	
Haynes & Chalmers Co.....	13 28	
Highway Dept.....	51 71	
Hines, M. F., labor.....	463 00	
Maine Plumbing Co.....	24 65	
Matheson, W. D.....	2 00	
McKenney, Galen, filing saws.....	80	
Morse & Co., lumber.....	25 73	
Noyes & Nutter Mfg. Co., cement.....	25	
Rice & Miller Co.....	21 32	
Smith & West.....	1 80	

Election & Registration:

Salaries and Wages.....		\$3,114 00
Board of Registration.....		\$2,257 00
Brennan, M. J.....	\$ 985 00	
McCarthy, D. F.....	636 00	
Morton, A. C.....	216 00	
Nason, Daniel W.....	420 00	

Election and Registration — Continued

Election Officers, Wards		\$ 655 00
Clerk		202 00
Brennan, Rosemary	\$ 70 00	
Brett, Victor	132 00	
General Expenses		\$1,508 32
Wood		\$ 11 32
Bacon & Robinson Wood Co	11 32	
Supplies		\$ 60 69
Bangor Co-Operative Ptg. Co.	\$ 3 50	
Brett, Victor	1 24	
Burr, T. W. Ptg. & Adv. Co., books	22 34	
Cannon & Co., City directory	3 00	
Dillingham, E. F., binding reports	1 15	
Earle, Wm. H., stamps and pad	2 35	
Inforati, A. J., sign	6 00	
Sullivan, Dan T., office supplies	13 75	
Valentine & Co., use of tables	2 50	
Woodman, C. Co., lattice stock	4 86	
Printing		\$ 750 35
Bacon, J. H., notices	\$ 14 00	
Bangor Co-Operative Ptg. Co., voting lists, etc.	176 25	
Bass, J. P. Pub. Co., addition to voting list	314 10	
Burr, T. W. Ptg. & Adv. Co., primary election warrants	4 25	
Glass, C. H. & Co., ballots, etc.	241 75	
Advertising		\$ 487 85
Bangor Publishing Co., special election, etc.	\$ 228 58	
Bass, J. P. Pub. Co., election notices, etc.	259 27	
Cleaning Ward Room		\$ 30 00
Atwood, H. W.	\$ 5 00	
Hines, M. F.	10 00	
Kerr, James H.	5 00	

Election and Registration — Continued

Mooney, Thomas.....	5 00	
Rogers, Fred.....	5 00	
Making up lists.....		\$ 84 00
Brett, Victor.....	\$ 84 00	
All Other.....		\$ 66 11
Haynes & Chalmers Co., tacks.....	\$ 25	
Highway Dept., carting voting booths.....	2 24	
Lewis, H. R. & Co., repairs.....	8 11	
O'Donohue, Thomas E., posting warrants.....	8 06	
Rice & Miller Co., repairs on furniture.....	95	
Ridley, F. C., trucking ballot boxes.....	1 50	
Windsor Hotel, election—rent of stores.....	45 00	
Furniture.....		\$ 18 00
Chandler & Co., chairs and tables.....	\$ 18 00	

City Hall:

Salaries and wages.....		\$3,410 05
Janitors.....	\$2,984 50	
Cleaning.....	425 55	
General Expenses.....		\$2,628 07
Light.....	\$ 82 78	
Bangor Gas Light Co.....	\$ 82 23	
Lord Bros., oil.....	55	
Fuel.....		\$1,456 49
Connor Coal & Wood Co., wood.....	\$ 201 00	
Woodman, J. F. & Co., coal.....	1,255 49	
Moving seats.....		\$139 50
Pay Roll.....	139 50	
Telephone.....		\$ 12 55
New England Tel. & Tel. Co.....	\$ 12 55	

City Hall — Continued

Supplies.....		\$ 379 83
Bangor Broom Co., brooms.....	\$ 5 65	
Bangor Ice Co., ice.....	92 51	
Bangor Stone Ware Co., jugs.....	1 50	
Brown & White Co., stable broom.....	40	
Burr, T. W. Ptg. & Adv. Co.....	2 70	
Columbia Towel Supply Co., towels.....	35 25	
Dunning, R. B. & Co., hose, glasses, etc.....	7 11	
Eldridge, F. E. Co.....	3 78	
Haynes & Chalmers Co., wire cloth, door springs....	4 26	
Hayner, Norman C. Co., floor dressing.....	58 31	
Johnson, Geo. T. Co.....	45 00	
Lewis, H. R. & Co., 1 wash boiler.....	1 25	
Lynch, M. & Co., 3 keys.....	75	
Otis Elevator Co., 10 lbs. guide grease.....	1 35	
Pierce, H. O., express, recording deed, etc.....	3 24	
Rice & Miller Co.....	2 90	
Savage, T. R. Co., matches.....	4 25	
Schwartz, M. Sons, waste.....	4 75	
Smith & West.....	80	
Snow & Nealley Co., rope and floor brushes.....	25 58	
Supply Department, matches, etc.....	1 80	
Sweet, Caldwell Co., dusters.....	4 75	
Vose, P. H. Co., dish mops, etc.....	3 32	
West Disinfecting Co.....	60 62	
Wood & Ewer Co., 2 rugs for municipal court room.	8 00	
Repairs.....		\$ 468 05
Angle, Edw. A., repairing hoist rope.....	\$ 5 00	
Atkins Bros., setting glass Judge's office.....	3 14	
Babb, C. H. & Co.....	3 50	
Bangor Window & Sign Cleaning Co.....	50	
Chandler & Co.....	8 00	
Cutter, L. W.....	21 08	
Dole Co., The.....	51 35	
Dunning, R. B. & Co.....	4 43	
Electric Dept.....	139 51	

City Hall — Continued

Gorham, W. H. & Co., glass and lettering.....	14 18	
Kelley, E. F. & Sons.....	2 15	
Lewis, H. R. & Co., repairing wash boiler.....	50	
Lynch, M. & Co., repairs on locks and keys.....	6 90	
Maine Plumbing Co., plumbing repairs.....	73 05	
Martins Bros., window shades and repairs.....	2 80	
Merryman, A. N., conductors on City Hall.....	11 46	
Morse & Co.....	1 75	
Otis Elevator Co.....	19 53	
Patten, L. P., carpenter repairs.....	33 92	
Pendleton, C. E.....	17 65	
Reilly, R. J. Roofing Co.....	6 50	
Rice & Miller Co.....	10 50	
Smith & West.....	4 94	
Union Iron Works, repairing elevator.....	24 56	
Wood & Bishop Co.....	1 15	
Material.....		\$ 40 64
Hopkins, A. R. Co.....	1 33	
Patten, L. P.....	30 51	
Rice & Miller Co.....	8 50	
Vose, P. H. Co.....	30	
All other.....		\$ 48 23
Ridley, F. C., trucking.....	\$ 75	
American Express Co., express.....	22	
Bright, J. M., insurance.....	30 35	
Highway Dept., removing ashes, galv. baskets.....	14 33	
Maine Central R. R. Co., freight.....	2 58	

PROTECTION OF PERSONS AND PROPERTY:**Police Department:**

Salaries and wages.....		\$31,897 08
Chief.....	\$1,350 00	
Deputy Chief.....	1,003 75	

Police Department — Continued

Captains.....		1,956 25	
Sergeants.....		1,714 80	
Inspector.....		993 75	
Patrolmen.....		22,541 93	
Specials.....		2,336 60	
Horses and care of same.....			\$ 434 60
Veterinary Surgeon.....			\$ 23 50
Murch, A. L.....	\$ 1 50		
Dwinal, C. F.....	22 00		
Board of horses.....		\$ 253 75	
Fire Dept.....	\$ 31 00		
Highway Dept.....	222 75		
Horse shoeing.....		\$ 22 55	
Leighton, Leland & Grant.....	2 25		
White & Winchester.....	20 30		
Use of horses.....		\$ 127 50	
Fire Department.....	\$ 28 50		
Green, J. Frank.....	99 00		
Sundries.....		\$ 7 30	
Madden, M. J. Harness Co., repairs to harness....	\$ 2 00		
Ryan, Frank, repairs to harness.....	2 50		
Utterback-Gleason Co.....	2 80		
Auto patrol maintenance.....			\$ 205 55
Gasolene.....		\$ 74 86	
Bangor Motor Co.....	\$ 69 59		
Knowles & Dow Co.....	4 42		
Swett, L. P.....	85		
Repairs.....		\$ 75 41	
Bangor Motor Co.....	\$ 22 96		
Bragg, N. H. & Sons.....	2 86		
Conant, C. M. Co., chains, etc.....	12 41		

Police Department—Continued

Dale Co., The, batteries, lamps, etc.	2 69	
Firestone Tire & Rubber Co., Clin case.	30 59	
Madden, M. J., Harness Co., fan belt.	50	
Rice & Miller Co.	89	
Schwartz' M. Sons.	51	
Union Iron Works, brazing and slotting gear holder	2 00	
Supplies.		\$ 46 37
Bangor Motor Co.	\$ 4 00	
Conant, C. M. Co., oil and grease.	18 35	
Dole Co., The, lamps.	1 15	
Fire Dept., sponge and chamois.	1 25	
Firestone Tire & Rubber Co.	14 57	
Paul Mfg. Co.	1 25	
Rice & Miller Co.	1 15	
Snow & Nealley Co., oil.	3 45	
Supply Dept., cheese cloth.	1 20	
Tire Tubes.		\$ 7 66
Conant, C. M. Co.	\$ 7 66	
All other.		\$ 1 25
Hodgkins & Fiske Co., 1 rubber blanket.	\$ 1 25	
Equipment and repairs.		\$ 75 63
Equipment.		\$ 28 39
Delta Electric Co.	\$ 1 46	
Dunning, R. B. & Co., pails.	2 25	
Evans, D. & Co.	10 08	
Rice & Miller Co.	14 43	
Utterback-Gleason Co.	17	
Repairs.		\$ 47 24
Bragg, N. H. & Sons.	\$ 1 65	
Brown & White Co.	34	
Dickey, W. P. & Co., miners lights.	2 40	
Dole Co., The, batteries, lamps, etc.	10 62	

Police Department — Continued

Kendall & Winch Co.....	3 50	
Lewis, H. R. & Co.....	1 00	
Rice & Miller Co., battery and lamp.....	58	
Ryan, Frank.....	75	
Snow & Nealley Co., oil and can.....	1 40	
Thoms, H. B.....	24 00	
Utterback-Gleason Co.....	1 00	
Pensions.....		\$ 610 00
Davis, Thomas A.....	\$ 354 00	
Jordan, Mrs. Frances C.....	256 00	
Other expenses.....		\$1,067 06
Supplies.....	\$ 240 20	
Adams Dry Goods Co., crash.....	3 50	
Bangor Co-Operative Ptg. Co., postal cards.....	3 25	
Bangor Ice Co., ice.....	89 66	
Burr, T. W. Ptg. & Adv. Co., printing.....	6 40	
Cannon & Co., 2 City directories.....	6 00	
Curtis & Tupper, corks and soap.....	30	
Dillingham, E. F., office supplies and memo books.....	11 60	
Dole Co., The, lamps and batteries.....	5 07	
Drummond, F. H., kerosene oil.....	55	
Dunning, R. B. & Co., oak baskets and galv. pails.....	3 00	
Finnigan & Monaghan, white gloves.....	3 00	
Fire Dept.....	75	
Grindle, W. M., 1 broom.....	50	
Haynes & Chalmers Co.....	4 38	
Jones, F. L. & Co., crackers.....	88 02	
Rice & Miller Co., twine, etc.....	35	
Staples & Griffin, Kerosene oil.....	1 05	
Snow & Nealley Co., oil and can.....	5 20	
Sullivan, Dan T., receipt books, etc.....	1 30	
Supply Dept.....	2 28	
Sweet, Caldwell Co., water bottle.....	75	
Wood & Bishop Co.....	2 29	
Wood & Ewer Co., cheese cloth.....	1 00	

Police Department—Continued

Advertising.....		\$ 39 13
Bangor Publishing Co.....	\$ 17 55	
Bass, J. P. Pub. Co.....	21 58	
Laundry.....		\$ 26 89
Baker, E. K., laundering towels.....	26 89	
Telephone.....		\$ 125 10
New England Tel. & Tel. Co.....	\$ 125 10	
Electric signals.....		\$ 25 20
Bangor Ry. & Electric Co.....	\$ 25 20	
Expenses on trips out of city.....		\$ 67 30
Fahey, James L., trip to Jackman and Hallowell..	\$ 25 90	
Mackie, John T.....	13 40	
Meade, Wm. H.....	7 60	
O'Donohue, T. E., trip to Portland, Oldtown, No.		
Bangor, etc.....	20 40	
Medical Attendance.....		\$ 105 00
Brown, Dr. A. A.....	\$ 6 00	
Milliken, Dr. H. J.....	78 00	
Quinn, Dr. H. F.....	12 00	
Sanger, Dr. E. B.....	9 00	
Repairs.....		\$ 121 17
Clark, Fred, fitting grapnels.....	\$ 3 15	
Dole Co., The.....	34 29	
Electric Dept.....	81 59	
Leighton Plumbing & Heating Co.....	1 58	
Rice & Miller Co., padlock.....	40	
Schwartz, M. Sons.....	16	
Insurance.....		\$ 214 50
Boyd, J. Herbert.....	\$ 36 00	
Carter, Edwin H.....	178 50	

Police Department—Continued

All other.....		\$ 102 57
Anderson, G. A., auto to No. Bangor.....	\$	2 00
Anderson, Peter, trucking.....		3 00
Bangor Motor Co., auto.....		6 00
Bradbury, C. E., trucking.....		2 00
Chalmers Studio, "cabinet" photo.....		1 00
Coffin, L. M., trucking.....		2 25
Conroy, John J., auto hire.....		1 75
Dickey, W. P. & Co.....		18
Gilman, L. W., conveyance.....		3 75
Gilmore, M. T., trucking.....		2 00
Jaffords, H. A., hauling stolen property.....		1 00
Kane, M., use of team.....		3 00
Lewis, H. R. & Co.....		20
Maine Agricultural Experiment Station, testing beer.....		24 00
McCarthy, T., trucking.....		2 00
McCarthy, Thomas, trucking.....		1 00
McClay, Patrick, trucking.....		2 00
Moore, L. F., use of auto.....		3 00
O'Donohue, T. E., car fare as plain clothesman....		2 45
O'Leary, May C., Davis hearing.....		31 25
Quinn, Wm. J., auto hire.....		4 50
Rice & Miller Co., wicks and turpentine.....		99
Sweet, Caldwell Co., demijohn.....		1 25
Wise, Harry S., trucking.....		50
Young, H. C., use of auto.....		1 50

Fire Department:

Salaries and wages.....		\$41,131 00
Chief.....	\$1,142 75	
Day Men.....	27,215 20	
Night Men.....	1,560 00	
Call Men.....	11,179 05	
Brewer Fire Dept., Opera House fire.....	34 00	

Fire Department — Continued

Horses and care of same		\$5,218 58
Hay and straw	\$1,890 21	
Cameron, G. F., straw	\$ 198 84	
Frost, H. I., hay	48 46	
Moor, G. L. & Son, hay and straw	380 85	
Mudgett, H. M., hay	28 26	
Pember, E. F., straw	8 02	
Pinkham, Ausba F., hay and bedding	31 22	
Spellman, J. F. & Sons, hay	1,115 61	
Whitman, Henry F., hay and straw	78 95	
Grain	\$1,575 57	
Hopkins, A. R. Co.	\$ 907 65	
Jennison, W. A.	446 51	
Swett & Co.	221 41	
Horse shoeing	\$ 768 22	
Cuddy, T. E.	\$ 50 95	
Leighton, Leland & Grant	414 12	
Highway Dept.	10 75	
McKenney & Carr	43 00	
McKenney, E.	106 40	
White & Winchester	143 00	
Veterinary surgeon	\$ 83 50	
Freeman, Dr. R. E.	\$ 10 50	
Murch, Dr. A. L.	71 50	
Strout, Dr. M. E.	1 50	
Medicine	\$ 61 22	
Curtis & Tupper	\$ 19 32	
McCosker, J. F., hoof ointment	12 50	
Snow & Nealley Co., castor oil	40	
Sweet, Caldwell Co.	29 00	
Use of horses	\$ 16 50	
Green, J. Frank	16 50	

Fire Department — Continued

Horses.....		\$ 770 00
McLeod, D. A.....	\$ 745 00	
Less horses sold to Charity Dept.....	275 00	
		\$ 470 00
Willey, M. & Sons.....	300 00	
Sundries.....		\$ 53 36
Bangor Publishing Co., Adv. for horses.....	\$ 2 33	
Bass, J. P. Pub. Co., Adv. for hoses.....	2 00	
Cameron, Geo. E., shavings.....	80	
Cassidy, John Co.....	2 35	
Conant, C. M. Co.....	7 13	
Haskell, Mrs. H.....	8 00	
Kelley, P. J., fare to Houlton and return.....	8 20	
Kendall & Winch Co.....	25	
Madden, M. J. Harness Co., repairs to harness....	16 00	
Morse & Co., sawdust.....	1 50	
Pinkham, Ausba F., shavings.....	3 60	
Whitman, Henry F.....	1 20	
Fuel and light.....		\$2,202 49
Fuel.....		1,830 69
Anglely, J. F. & Co., wood.....	3 50	
Bacon & Robinson Wood Co., wood.....	7 25	
Connor Coal & Wood Co., wood.....	13 75	
Hincks Coal Co., coal.....	518 04	
Woodman, J. F. & Co., coal.....	1,288 15	
Light.....		\$ 371 80
Bangor Gas Light Co.....	\$ 349 80	
Standard Oil Co. of N. Y., oil.....	22 00	
Auto maintenance.....		\$ 156 96
Gasoline.....		\$ 41 42
Standard Oil Co. of N. Y.....	41 42	

Fire Department—Continued

Supplies		\$ 26 69
American Express Co.....	\$ 60	
Conant, C. M. & Co.....	45	
Darling Automobile Co., oil.....	6 00	
Lewis, H. R. & Co., drip pan.....	5 65	
Mulvaney Bros., cover for auto.....	3 24	
Standard Oil Co., of N. Y.....	10 75	
Repairs		\$ 60 74
American Express Co., express on chain.....	\$ 1 66	
American LaFrance Fire Engine Co.....	17 44	
Bragg, N. H. & Sons.....	4 00	
City Garage Co., repairs on drive chain.....	75	
Conant, C. M. & Co.,.....	7 31	
Dole Co., The, spark plugs and lamps.....	2 54	
Firestone Tire & Rubber Co., tire.....	10 00	
Kelley, P. J., auto chain.....	1 00	
LeBarrows, Eugene, express on drive chain.....	76	
Seagrave Co., The, drive chain, etc.....	15 28	
Cylinder oil		\$ 28 11
Seagrave Co., The.....	\$ 28 11	
Repairs and renewals of equipment		\$3,048 82
Repairs		\$ 621 63
Atkinson, J. B., repairs on steamer No. 4.....	\$ 47 99	
Bragg, N. H. & Sons.....	12 98	
Conant, C. M. & Co.....	2 10	
Crosby, S. L. Co.....	40	
Cutter, Leslie W.....	3 81	
Dickey, W. P. & Co.....	2 74	
Dole Co., The.....	2 35	
Dugan, P. T.....	1 50	
Dunning, R. B & Co.....	19 45	
Fessenden, C. P.....	2 50	
Glynn Shoe Repairing Co., repairing rubber coats..	6 00	
Gorham, W. H. & Co., lettering and numbering coats.....	3 90	

Fire Department — Continued

Haynes & Chalmers Co.....	26 51	
Hayward, C. & Co.....	3 92	
Hodgkins & Fiske Co.....	60	
Kelley, Andrew Carriage Co.....	70 50	
Kelley, E. F. & Sons.....	4 11	
Laffey, J.....	4 25	
LeBarrows, Eugene.....	30 00	
Leighton Plumbing & Heating Co.....	53	
Lynch, M. & Co., repairs on lock.....	35	
Lewis, H. R. & Co., iron and repairs to steamer lights.....	1 85	
Madden, M. J. Harness Co., harness repairs.....	60 45	
Marston & Son, numbering coats.....	30	
Mason, John & Son.....	120 45	
Modern Shoe Repairing Co., repairs on rubber coats	9 85	
Morse & Co., lumber.....	12 85	
Mulvaney Bros.....	1 00	
Penobscot Machinery Co.....	41 20	
Rice & Miller Co.....	2 17	
Schwartz, M. Sons.....	22 70	
Shannon & O'Brien.....	20 25	
Snow & Nealley Co.....	1 58	
Sweet, Caldwell Co.....	6 90	
Thomas, H. B., carriage repairs.....	65 38	
Union Iron Works.....	1 44	
Woodman, C. Co., lumber.....	6 77	
New Equipment.....		\$1,804 20
American LaFrance Fire Engine Co., addition to aerial truck.....	45 20	
Eureka Fire Hose Mfg. Co., 2000 ft. Trojan Jacket fire hose.....	1,400 00	
Hardy, J. M., play pipes.....	55 00	
Kress, O. F. & Son, ladder pipe and wagon pipe....	304 00	
Freight.....		\$ 2 40
American Express Co., express on oil.....	\$ 60	

Fire Department — Continued

Eastern S. S. Corpn.....	1 05	
Maine Central R. R. Co., freight on metal pivot...	75	
Renewals of Equipment.....		\$ 620 59
American LaFrance Fire Engine Co., pole crab and washer.....	9 39	
Archibald Wheel Co., brass caps.....	4 10	
Adams Dry Goods Co., sheets and pillow slips.....	20 76	
Basch, A. & Co., 18 Fire Dept. caps.....	22 50	
Brown & White Co., brooms.....	16 78	
Dickey, W. P. & Co., lantern globes.....	85	
Dole Co., The, lamps.....	2 10	
Dunning, R. B. & Co., tools, mops and pails.....	20 78	
Finnegan, James E., 1 cap.....	3 75	
Hardy, J. M., lanterns, nozzles, etc.....	82 99	
Haynes & Chalmers Co., globes.....	80	
Hodgkins & Fiske Co., pillows, mattresses, pillow slips, sheets.....	40 74	
Kress, O. F. & Son, straps, etc.....	53 07	
Madden, M. J. Harness Co., whip.....	1 25	
McCarthy, H. J.....	4 35	
Mulvaney Bros., blankets.....	4 75	
Parkhurst, J. F. & Son Co.....	2 50	
Rice & Miller Co., water bottle.....	75	
Snow & Nealley Co., tackle.....	24 79	
Utterback-Gleason Co., rivets.....	17	
Vose, P. H. & Co., water bottle.....	2 75	
Waterman, J. & Co., rubber coats.....	294 00	
Wood & Bishop Co., rivets.....	2 17	
Wood & Ewer Co., blankets.....	4 50	
Other expenses.....		\$1,265 64
Laundry.....		\$ 207 49
Bangor Steam Laundry.....	58 59	
Columbia Towel Supply Co.....	73 45	
Porter-Parsons Co.....	75 45	

Fire Department — Continued

Office.....		\$ 52 85
Bangor Co-Operative Ptg. Co., envelopes and letter heads.....	15 25	
Cannon & Co., City directory.....	3 00	
Dillingham, E. F., supplies.....	6 80	
Earle, W. H., stencil brush.....	25	
Glass, C. H. & Co., supplies.....	1 50	
Hayward, C. & Co., supplies.....	9 35	
Mason, E. S., stamps.....	1 00	
Rice & Miller Co., water cooler.....	9 30	
Rogers, S. L.....	2 25	
Sullivan, Dan T., supplies.....	1 15	
Vose, P. H. & Co., water jar and tunnel.....	3 00	
Telephone.....		\$ 150 80
New England Tel. & Tel. Co.....	\$ 150 80	
Repairs.....		\$ 76 77
Babb, C. H. & Co., repairs on Vol. boiler.....	\$ 1 50	
Bragg, N. H. & Sons, Bolts, etc.....	2 58	
Conant, C. M. & Co., belt lacing, etc.....	98	
Crosby, S. L. Co., 2 batteries.....	40	
Dunning, R. B. & Co., hardware.....	1 05	
Electric Dept.....	50 23	
Haynes & Chalmers Co., paint, shellac, etc.....	5 41	
Morse & Co., 1 threshold.....	20	
Rice & Miller Co., glass.....	73	
Smith, L. C. Bros., roll for typewriter.....	7 75	
Snow & Nealley Co., belt and cut lace.....	1 18	
Utterback-Gleason Co., brushes, etc.....	4 56	
Vose, P. H. Co., 1 tunnel.....	20	
Insurance.....		\$ 158 04
Baker & Hodge.....	51 60	
Carter, Edwin H.....	51 00	
Kirstein, Louis & Sons.....	17 20	
McClure, J. W. & Son.....	34 40	
Palmer, W. W.....	3 84	

Fire Department—Continued

Ice.....		\$ 155 00
Bangor Ice Co.....	\$ 96 70	
Citizens Ice Co.....	26 80	
Getchell Bros.....	31 50	
Sundries.....		\$ 464 69
Bangor Publishing Co., Adv.....	\$ 7 70	
Bangor Window & Sign Cleaning Co., dustbane....	6 75	
Basch, A. Co., caps.....	35 00	
Bass, J. P. Pub. Co., Adv.....	7 25	
Bloch, Joseph.....	62 81	
Brown, C. M., prescription.....	35	
Brown & White Co., brooms and supplies.....	21 15	
Cassidy, J. Co., soap, etc.....	9 80	
Cudahy Packing Co., 10 cases Pyramid.....	41 50	
Derby, G. B. Co., team hire.....	7 50	
Dickey, W. P. & Co., oil.....	85	
Dolge, C. B. Co., disinfectants.....	10 00	
Dunning, R. B. & Co., hardware.....	21	
Electric Dept.....	37 52	
Finnegan, J. E., caps.....	14 67	
Hardy, J. M.....	9 00	
Haynes & Chalmers Co., supplies.....	3 14	
Hayward, Chas. & Co., soda.....	18 94	
Hodgkins & Fiske Co., pillow slips and bath towels.	16 51	
Hopkins, A. R. Co., salt.....	2 48	
Pierce, H. O.....	25	
Priest, H. K., prescription.....	2 10	
Rice & Miller Co., supplies.....	11 16	
Standard Oil Co., of N. Y., oil, etc.....	32 30	
Schwartz, M. Sons, files.....	1 82	
Sonneborn, L. Sons.....	9 00	
Sullivan, Dan T., receipt book.....	25	
Sweet, Caldwell Co., supplies.....	14 03	
Vose, P. H. Co.....	5 67	
Vulcan Mfg. Co.....	2 85	
West Disinfecting Co.....	69 83	
Woodman, C. Co., clapboards, plain cas.....	2 30	

Militia:

Maintenance of Armory		\$ 44 19
Armory	\$ 44 19	
Bacon & Robinson Wood Co., wood	\$ 16 18	
Maine Plumbing Co.	6 60	
Woodman, J. F. & Co., coal	21 41	

Other Protection of Persons and Property:

Sheep killed by dogs		\$ 147 94
Cort, Fred	\$ 31 50	
Fuller, F. R.	39 00	
Hewes, Perley	72 00	
McLennan, Frank	5 44	
Dog officers		\$ 335 57
McLennan, Frank	\$ 318 32	
Reed, W. H.	17 25	

HEALTH AND SANITATION:**Health:**

Salaries of Board		\$ 469 31
Vital Statistics		\$ 566 05
Birth Certificates	\$ 268 00	
Brett, Victor	\$ 129 75	
Brown, Dr. A. A.	7 50	
Caulfield, Dr. Geo. B.	14 75	
Cox, Dr. J. F.	9 75	
Edmunds, Dr. C. D.	2 50	
Harvey, Dr. A. I.	5 75	
Hennessey, Dr. D.	1 50	
Hunt, Dr. Barbara	1 50	
Hunt, Dr. W. L.	6 00	
Inkrote, Dr. Warren W.	2 25	
King, Dr. H. A.	15 25	
Mason, Dr. L. S.	10 00	
McCann, Dr. Daniel	5 50	

Health — Continued

McNally, Dr. W. P.	15 50	
Nealley, Dr. E. T.	50	
Osgood, Dr. W. H.	4 50	
Pastor, Dr. L. M.	5 00	
Quinn, Dr. H. F.	2 00	
Robinson, Dr. D. A.	1 00	
Robinson, Dr. Harrison L.	75	
Sanger, Dr. E. B.	9 50	
Schrive, Dr. A. H.	2 75	
Scribner, Herbert C.	2 50	
Starrett, Dr. J. F.	9 00	
Thomas, C. P. & C. M.	3 00	
Death certificates.		\$ 196 95
Bliss, R. M.	\$ 1 75	
Brett, Victor.	101 70	
Cox, Dr. J. F.	6 50	
Edmunds, Dr. C. D.	4 25	
Harvey, Dr. A. I.	9 00	
Hernessey, Dr. D.	2 50	
Hunt, Dr. Barbara.	75	
Hunt, Dr. W. L.	5 75	
Inkrote, Dr. Warren E.	5 75	
King, Dr. H. A.	7 25	
Mason, Dr. L. S.	2 50	
McCann, Dr. Daniel.	3 25	
McNally, Dr. W. P.	8 00	
Nealley, Dr. E. T.	2 50	
Osgood, Dr. W. H.	1 00	
Pastor, Dr. L. M.	1 00	
Quinn, Dr. H. F.	3 25	
Robinson, Dr. D. A.	3 00	
Robinson, Dr. Harrison L.	6 75	
Scribner, Herbert C.	9 25	
Starrett, Dr. J. F.	4 50	
Trickey, Dr. W. B.	6 75	

Health — Continued

Marriage certificates.....		\$ 89 60
Brett, Victor.....	\$ 60 60	
Hyde, Rev. A. B.....	4 00	
Palladino, Rev. F.....	5 25	
Sauer, Rev. Geo. C.....	6 50	
Smith, Rev. Ashley A.....	11 50	
Weed, James A.....	1 75	
Other.....		\$ 11 50
Hathorn, R. E.....	\$ 5 00	
McCann, Dr. D.....	6 50	
General expenses.....		\$ 401 71
Fuel.....		\$ 11 25
Bacon & Robinson Wood Co., wood.....	\$ 11 25	
Supplies.....		\$ 97 55
Bangor Co-Operative Ptg. Co., printing.....	\$ 16 00	
Connelly, John F., cards.....	2 50	
Davis, C. H., vaccine and antitoxin.....	19 80	
Dillingham, E. F., receipt book.....	15	
East Side Pharmacy, antitoxin, etc.....	46 40	
Haynes & Chalmers Co., wire fence for dump.....	10 40	
Noyes & Nutter Mfg. Co., tin pails.....	2 30	
Pest House.....		\$ 29 25
New England Tel. & Tel. Co.....	29 25	
Vaccinating.....		\$ 56 20
Osgood, Dr. H. W.....	56 20	
Freight and Express.....		\$ 50
American Express Co., express on bottle of water to Augusta.....	25	
Hines, M. F., freight.....	25	

Health — Continued

Disinfectants.....		\$ 92 60
East Side Pharmacy, formaldehyde.....	\$ 14 50	
Sweet, Caldwell Co., supplies for fumigating.....	78 10	
Clothing and food.....		\$ 114 36
Fleming, John F., food.....	\$ 41 00	
Matheson, W. D., groceries.....	54 43	
New York Syndicate, clothing.....	18 93	
Inspector of milk.....		\$ 281 57
Salary.....	281 57	
Inspector of Plumbing.....		\$ 564 10
Salary.....	\$ 564 10	

Sanitation:

Salaries—Supt. and Board.....		\$1,182 48
Superintendent.....	\$1,032 48	
Board.....	\$ 150 00	
Black, Arthur H.....	50 00	
Smith, Geo.....	50 00	
Watson, Ira P.....	50 00	
Sewer Maintenance.....		\$2,707 20
Wages.....	\$2,179 51	
Material and supplies.....	\$ 412 09	
Bacon & Robinson Co., charcoal.....	\$ 13 60	
Bacon & Robinson Wood Co., wood.....	13 25	
Bragg, N. H. & Sons, pick handles, etc.....	6 83	
Conant, C. M. Co.....	8 07	
Cullinan, C. H.....	10 00	
Dunning, R. B. & Co., pipe and fittings.....	142 38	
Haynes & Chalmers Co.....	34 74	
Hopkins, A. R. Co., salt.....	28 50	
Hughes, Murtagh, sand.....	9 35	
Mason, W. S., wheel jack.....	3 00	

Sanitation — Continued

McAuley & Kennedy.....	20 80	
Milliken, James, rock salt.....	1 40	
Penobscot Machinery Co.....	55 54	
Queen City Granite Co.....	8 25	
Sampson, G. H. Co.....	15 62	
Snow & Nealley Co., rope, etc.....	1 48	
Standard Oil Co., of N. Y., oil.....	13 00	
Taylor, Abner, hose and nozzle.....	24 35	
Union Iron Works, 1 cesspool.....	1 93	
Repairs to Tools.....		\$50 40
Bragdon, C. M., sharpening tools.....	\$ 2 05	
McNeil, R. D., sharpening tools.....	31 35	
Penobscot Machinery Co., sharpening tools.....	17 00	
All other.....		\$ 65 20
Bangor Co-Operative Ptg. Co., printing.....	\$ 3 25	
Bangor Publishing Co., advertising.....	3 00	
Arnold, J. M. Shoe Co., rubber boots.....	8 09	
Bass, J. P. Pub. Co., rubber boots.....	2 00	
Burr, T. W. Ptg. & Adv. Co., printing forms.....	29 33	
Fire Dept., rubber coat.....	4 00	
Lord, Henry & Co., insurance.....	14 18	
Sullivan, Dan T., twine books.....	1 35	
Catch Basin maintenance.....		\$3,196 54
Wages.....		\$2,901 44
Supplies.....		\$ 78 73
Bond, H. L. Co., 1 doz. galv. pails.....	\$ 9 00	
Brown & White Co., axle grease.....	2 00	
Dunning, R. B. & Co., galv. pails.....	75	
Haynes & Chalmers Co., shovels.....	3 50	
Mason, W. S., hose.....	54 00	
Mulvaney Bros., canvass.....	2 00	
Snow & Nealley Co. rope, ash pole, etc.....	7 48	

Sanitation — Continued

Repairs.....		\$ 170 05
Babb, C. H. & Co.....	\$13 02	
Eldridge, F. E. Co., repairs on Jennison's store...	8 21	
Fessenden, C. P., repairs on cart.....	2 25	
Lancaster, M. H., carpenter work on Jennison's store.....	6 80	
McNeil, R. D., repairs on carts.....	130 77	
Shannon & O'Brien.....	9 00	
All other.....		\$46 32
Arnold, J. M. Shoe Co., rubber boots.....	\$12 07	
Eastern S. S. Corporation, freight.....	25	
Waterman, J. Co., rubber coats and hats.....	34 00	
Refuse and garbage removal.....		\$5,114 80
Labor		
O'Connor, J. J., attending Pier St. dump.....	\$ 20 00	
Pay roll.....	4,827 24	
Teams.....	\$ 126 00	
Daley, Geo. A.....	\$ 9 00	
Derby, G. B. Co.....	40 50	
Hughes, M.....	72 00	
Ansel W.....	4 50	
Equipment.....		\$ 73 98
Dover Stamping Co., 2 Dover waste barrels.....	\$ 66 00	
Highway Dept., repairs to equipment.....	7 98	
Material.....		\$ 37 25
Haynes & Chalmers Co.....	\$ 37 25	
Adversiting.....		\$ 20 33
Bangor Publishing Co., dump warning.....	\$ 9 00	
Bass, J. P. Pub. Co., dump warning.....	11 33	
Repairs.....		\$ 10 00
Electric Dept., wiring dump.....	10 00	

Sanitation — Continued

Street Cleaning		\$12,318 73
Labor	\$12,186 74	
Equipment and repairs	\$ 119 88	
Berry & Smith	\$ 6 50	
Dunning, R. B. & Co.	13 36	
New England Road Machinery Co.	97 69	
Madden, M. J. Harness Co.	75	
Schwartz, M. Sons	1 58	
All other	\$ 12 11	
Doughty, Osman, broom stuff	\$ 10 00	
Eastern S. S. Corp., freight	2 11	

HIGHWAYS AND BRIDGES**Highways:**

General administration		\$3,392 74
Salaries	\$2,914 50	
Printing	193 48	
Burr, T. W. Ptg. & Adv. Co.	\$ 190 98	
Glass, C. H. & Co.	2 50	
Advertising	\$ 66 57	
Bass, J. P. Pub. Co.	\$ 66 57	
Office supplies	\$ 101 99	
Bangor Co-Operative Ptg. Co., tags	\$ 9 00	
Cincinnati Times Recorder Co.	4 36	
Columbia Towel Supply Co., towels	4 50	
Dillingham, E. F.	60	
Deatly, Arthur G. & Co., analysis paper	1 72	
Earle, W. H., rubber stamp	40	
Sullivan, Dan T.	76 40	
Supply Dept.	5 01	

Highways — Continued

Office furniture.....		\$ 92 25
Underwood Typewriter Co., typewriter.....	\$ 92 25	
Telephone.....		\$ 9 95
New England Tel. & Tel. Co.....	\$ 9 95	
All other.....		14 00
Matheson, W. D., use of auto.....	\$ 14 00	
General highway expenditure.....		\$52,589 99
Salaries and wages.....		\$28,741 41
Teams.....		\$ 18 00
Green, J. Frank.....	\$ 6 00	
Matheson, W. D.....	10 00	
Material.....		\$4,498 79
Acme Mfg. Co., Colonial culverts, roofing, pipes, etc.....	\$ 617 12	
Bangor Ry. & Elec. Co., gravel.....	203 40	
Bass, J. P., gravel, sand, etc.....	537 95	
Bragg, N. H. & Sons.....	65 79	
Cutter, L. W.....	10 27	
Day, H. A.....	4 90	
Dunning, R. B. & Co.....	34 66	
Eastern Cement Co., cement.....	64 07	
Getchell Bros., brick.....	80 00	
Haynes & Chalmers Co., nails, bolts, etc.....	265 17	
Highway Dept., transfer of material.....	720 89	
Hopkins, A. R. Co., lime.....	5 50	
Hughes, M., dirt and gravel.....	788 75	
Morrison, R. V & A. D.....	24 84	
Morse & Co., lumber, etc.....	912 79	
Penobscot Lumber & Box Co., lumber.....	2 24	
Pierce, H. O.....	2 07	
Sterns Lumber Co., material for city stables.....	40 28	
Water Dept., sand and pipe.....	11 50	
Woodman, C. Co., lumber.....	106 60	

Highway — Continued

Supplies.....		\$1,030 30
Drummond, F. H.....	\$ 4 72	
Dunning, R. B. & Co., pails, rakes, etc.....	86 57	
Earle, W. H., stamp.....	1 40	
Fire Dept., sponges.....	5 40	
Haynes & Chalmers Co., dynamite, tarred paper, etc.....	276 13	
Hincks Coal Co., coal and wood.....	59 70	
Inforati, A. J.....	4 25	
Jellison, H. E., oil.....	55	
Angley, J. F. & Co., wood.....	3 75	
Armour & Co., soap.....	7 80	
Bacon & Robinson Wood Co., wood.....	3 75	
Bragg, N. H. & Sons, borax, bolts, etc.....	115 39	
Brown & White Co., collar pads, mane brushes, etc.....	29 07	
Cassidy, John Co., castile soap.....	3 00	
Conant, C. M. Co., grease.....	2 30	
Lord Bros., oil cans and kerosene.....	6 79	
Lynch, M. & Co., keys.....	50	
Parkhurst, J. F. & Son Co., oil, etc.....	15 50	
Peavey Mfg. Co.....	14 85	
Rice & Miller Co., brushes, etc.....	41 09	
Schwartz, M. Sons, waste and belt dressing, etc.....	97 15	
Snow & Nealley Co., axle grease, etc.....	89 80	
Standard Oil Co., of N. Y., oil.....	15 90	
Supply Dept., matches.....	1 08	
Swift & Co., soap.....	6 30	
Taylor, Abner, hand saws, files, etc.....	7 65	
Union Iron Works.....	1 28	
Utterback-Gleason Co.....	8 68	
Vosc, P. H. & Co., pans.....	30	
Woodman, J. F. & Co., coal.....	119 65	
Veterinary Surgeon and medicine.....		\$ 330 03
Curtis & Tupper, medicine.....	27 40	
Dwinal, C. Frank, veterinary.....	49 25	
Freeman, R. E., veterinary.....	4 50	

Highway — Continued

McCosker, J. P., hoof ointment	12 50
Murch, A. L., veterinary	189 85
Strout, M. E., veterinary	12 65
Sweet, C. Co., medicine	33 88

Suburban Agents		\$4,784 39
Appleby, C. F.	\$ 111 86	
Babcock, J. H.	611 00	
Blaisdell, H. P.	316 71	
Chandler, A. J.	63 13	
Eveleth, R. C.	851 16	
Frost, H. I.	408 63	
Fuller, F. R.	256 87	
Gray, Geo. A.	76 25	
Hathorn, Guy E.	30 47	
Lewis, E. H.	318 26	
Morrison, C. H.	664 76	
Murray, Thomas	60 27	
Richards, W. F.	157 02	
Robinson, A. H.	76 13	
Sanford, C. C.	82 68	
Smith, E. C.	14 63	
Whitney, P. M.	337 76	
Wilson, H. O.	246 85	
Wright, L. V.	13 00	
York, C. A.	86 95	

Grain, hay and straw		\$6,636 22
Cameron, G. F., straw	\$ 51 15	
Charity Dept., hay from City Farm	275 83	
Frost, H. I., hay	258 47	
Hardy, W. F., straw	5 59	
Hersey, G. A., hay	100 50	
Hillis, W. G., hay	14 38	
Hopkins, A. R. Co., grain	1,614 75	
Jennison, W. A., grain	431 90	
Jones, Henry, straw	13 97	

Highway — Continued

Kerns, Martin, straw.....	35 48	
McKenney, E., hay.....	437 16	
Morrison Bros., straw.....	57 38	
Moor, Geo. L. & Son, hay and straw.....	97 76	
Pember, E. F., straw.....	90 98	
Phillips, C. H., hay.....	24 21	
Pinkham, Ausba F., hay.....	128 38	
Spellman, J. F. & Sons, hay.....	1,421 39	
Thaxter, A. H. Co., grain.....	1,576 94	
Equipment, repairs and renewals.....		\$3,104 49
Abbot, C. H., repairs on auto.....	\$ 206 17	
Acme Road Machinery Co., repairs on crusher....	148 27	
Bangor Motor Co., auto repairs.....	8 83	
Bangor Ry. & Elec. Co., repairs on steam roller....	6 75	
Barnes, J. I., filing saws.....	80	
Bean, A. W., repairs.....	87 75	
Bragg, N. H. & Sons, repairs.....	173 95	
Brown & White Co., repairs and renewals.....	48 96	
Buffalo Steam Roller Co., crusher repairs.....	55 26	
Cassidy, T. F. & Sons, grinding axes.....	40	
Cincinnati Times Recorder Co., 1 time recorder...	130 50	
Conant, C. M. Co., road machine repairs.....	56 30	
Dole Co., The, testing and repairing auto.....	4 13	
Dunning, R. B. & Co., repairs and renewals.....	44 11	
Dyar Supply Co., equipment renewals.....	11 50	
Electric Dept., repairs.....	28 15	
Eureka Fire Hose Mfg. Co., equipment renewals..	70 00	
Fessenden, C. P.....	1 00	
Gibbons, James, checkplates for crusher.....	16 00	
Haynes & Chalmers Co., repairs and renewals....	96 18	
Heal, L. G., repairs.....	21 40	
Kelley, A. Carriage Co., repairing shaft.....	2 75	
Kendall & Winch Co., repairs.....	1 45	
Lewis, H. R. & Co., repairs and renewals.....	66 30	
Loupin, R. E., repairs.....	2 50	
Madden, M. J. Harness Co., repairs and renewals.	620 14	

Highway — Continued

Mason, W. S., repairs and renewals	66 00
McNeil, R. D., repairs	36 18
McKenney, Galen, Filing saws	3 60
Mulvaney Bros., splicing rope on hay fork	50
New England Road Machinery Co., repairs and re- newals	170 50
North Park St. Garage and Machine shop, repairs ..	52 89
O'Connor, C. G., equipment renewals	47 00
Parkhurst, J. F. & Son Co., repairs and renewals ...	26 50
Peavey Mfg., repairs	36 54
Penobscot Machinery Co., repairs	39 21
Rice & Miller Co., renewals	11 10
Ryan, Frank, repairs	192 00
Schwartz, M. Sons	25 84
Shannon & O'Brien, repairs to road machine	75
Snow & Nealley Co., repairs	79 20
Thompson, E. B. Co., renewals and repairs	39 30
Thoms, H. B., repairs	77 45
United Construction Co., repairs and renewals ..	126 82
Union Iron Works, repairs	164 11
Utterback-Gleason Co	1 20
Welch, C. E., repairs	25

Horse Shoeing..... \$1,170 59

Drew, N.	\$ 125 14
Fessenden, C. P.	75
Leighton, Leland & Grant	440 17
McKenney & Carr	9 25
McKenney, E.	11 50
White & Winchester	222 60
Williams, H. F. & Co.	361 18

Insurance..... \$ 250 88

Carter, E. H.	\$ 40 14
Curran, Wm. F.	99 74
Freeland-Mann Co.	19 20
Lord, Henry & Co.	51 60

Highway—Continued

Stewart, C. M.....	21 00	
Wilson, John C.....	19 20	
Rubber Boots and Coats.....		\$ 114 84
Adams Dry Goods Co., rubber coats.....	\$ 27 75	
Arnold, J. M. Shoe Co., rubber boots.....	78 59	
Waterman, J., rubber coats and hats.....	8 50	
Storage Auto Truck.....		\$ 65 00
Bean, A. W.	\$ 55 00	
North Park St. Garage and machine shop.....	10 00	
Gasoline and oil for auto truck.....		\$ 452 98
Bangor Motor Co., gasoline and oil.....	\$ 101 29	
Bean, A. W., gasoline and oil.....	156 87	
Dickey, W. P. & Co., grease.....	20	
North Park St. garage and machine shop, supplies.....	47 87	
Snow & Nealley Co., oil.....	9 75	
Standard Oil Co., of N. Y., gasoline and oil.....	137 00	
Horses.....		\$ 925 00
Clark, R. T., 2 horses.....	\$ 700 00	
King, H. A., 1 horse.....	225 00	
All other.....		\$ 469 07
American Express Co., express on package.....	\$ 28	
Babb, C. H. & Co., hitching posts.....	3 50	
Bangor Ice Co., ice.....	24 13	
Bangor Publishing Co., advertising.....	35 84	
Bangor Window & Sign Cleaning Co., washing windows.....	44	
Bass, J. P. Pub. Co., Adv.....	13 75	
Bean, A. W.	2 35	
Bragg, N. H. & Sons, hardware.....	52 86	
Columbia Towel Supply Co., towels.....	15 00	
Crockett, Everhard, caring for a horse.....	23 00	
Derby, G. B. Co., trucking.....	1 00	

Highway—Continued

Eastern S. S. Corpn., freight.....	3 11
Electric Dept.....	18 27
Kelley, E. F. & Sons, repairs on hot water tank....	75
Lewis, E. H. & Co., pails.....	50
Lynch, M. & Co., repairs on locks.....	1 50
Matheson, W. D., use of auto.....	15 00
Maine Central R. R. Co., freight.....	6 71
Morse, Frank S., labor.....	112 50
Murray, Thomas, sods—State and Forest Ave.....	64 23
New England Tel. & Tel. Co.....	23 20
Rice & Miller Co.....	16 25
Standard Oil Co. of N. Y.....	44
State of Maine, auto registry and state aid.....	29 52
Supply Dept., advertising.....	4 94

Snow and Ice Removed:

General expense.....		\$8,645 47
Wages.....	\$7,644 83	
Suburban agents.....	685 01	
Babcock, J. H.....	50 00	
Blaisdell, H. P.....	10 50	
Chandler, A. J.....	1 25	
Eveleth, Ralph C.....	83 13	
Fuller, F. R.....	36 14	
Frost, H. I.....	52 63	
Gray, Geo. A.....	51 00	
Hathorn, Guy E.....	8 91	
Martins, J. T.....	4 88	
Kimball, J. W.....	20 00	
Lewis, E. H.....	34 76	
Morrison, C. H.....	27 25	
Richards, W. F.....	63 13	
Robinson, A. H.....	16 95	
Sanford, C. C.....	5 20	
Smith, E. C.....	29 25	
Wilson, Henry.....	41 91	
Wright, Leonard.....	140 02	
York, C. A.....	8 10	

Highway—Continued

Equipment and repairs		\$225 18
Dunning, R. B & Co.	\$ 6 00	
Fowler, G. T., 2nd hand sled	30 00	
Haynes & Chalmers Co.	63 57	
Highway Dept., repairs on snow plows	123 63	
Penobscot Machinery Co.	1 38	
Strout, A. A.	60	
All other		\$ 90 45
Atkins, A. G., paint	50	
Electric Dept.	10 00	
Haynes & Chalmers, nails	2 25	
Morse & Co., lumber	11 05	
Morse, F. S., labor	55 25	
Rice & Miller Co., nails and tacks	40	
Towle, J. N. & Co., salt	11 00	

Sprinkling:

General expenses		\$8,243 84
Balance of contract 1913 sprinkling		\$1,054 31
Hughes, M.	\$1,054 31	
Pay rolls		\$5,001 13
Oil for road		1,583 59
Maine Central R. R. Co., freight on oil	\$ 11 92	
Standard Oil Co., of N. Y., oil	1,571 67	
Supplies		\$ 43 22
Angley, J. F. & Co., wood	\$ 7 50	
Hopkins, A. R. Co., salt	3 00	
Library Bureau, cards	15 95	
Towle, J. N. & Co., salt	11 10	
Woodman, J. F. & Co., coal	5 67	

Sprinkling—Continued

Repairs to equipment.....		\$ 499 42
American Express Co.....	5 15	
Bragg, N. H. & Sons.....	27 40	
Chandler Eastman Co.....	20 06	
Eastern S. S. Co.....	53	
Eldridge, F. E. Co.....	35	
Gorham, W. H. & Co.....	1 50	
Haynes & Chalmers Co.....	19 76	
Heal, L. G.....	7 00	
Highway Dept.....	222 63	
Lewis, H. R. & Co.....	22 29	
Morse & Co.....	75	
Morse, F. S.....	104 00	
Peavey Mfg. Co.....	5 00	
Penobscot Machinery Co.....	75	
Shannon & O'Brien.....	35 05	
Studebaker Corporation.....	27 20	
All other.....		\$ 62 17
Bangor Publishing Co., advertising.....	\$ 1 80	
Bass, J. P. Pub. Co., advertising.....	8 00	
Derby, G. B. Co., rent of sprinkler.....	50 00	
New England Tel. & Tel. Co.....	1 25	
Postal Telegraph Co.....	1 12	

Bridges:

Repairs and maintenance.....		\$5,287 81
Labor.....		\$1,462 59
Material and supplies.....		911 14
Acme Mfg. Co., paint.....	\$ 43 50	
Bangor Ry. & Elec. Co., rails.....	63 00	
Eastern Cement Co., cement.....	137 98	
Eveleth, Ralph C., cedar posts.....	1 50	
Haynes & Chalmers Co., nails, etc.....	6 37	
Matheson, Frank O.....	4 18	

Bridges—Continued

Morse & Co., lumber and nails, etc.....	616 30	
Rice & Miller Co.	7 28	
Woodman, J. F. & Co., coal.....	31 03	
Outside labor.....		\$ 202 37
Grant, J. M., Franklin St.....	\$ 2 91	
Highway Dept.....	94 25	
Morse, F. S., railroad bridge.....	105 21	
Bangor and Brewer Bridge.....		\$2,362 11
Bass, J. P. Publishing Co.....	\$ 21 15	
Babb, C. H. & Co.....	23 23	
Bacon & Robinson Co., wood.....	7 50	
Bragg, N. H. & Sons Co.....	13 57	
Brewer, City of.....	368 31	
Cosmey, J. L.....	2 18	
Electric Dept.....	92 77	
Eastern Cement Co., cement.....	53 00	
Fidelity Eng. & Insp. Co.....	97 13	
Greenwood, E. E.....	120 00	
Grant, J. M.....	2 38	
Hincks Coal Co.....	7 80	
Haynes & Chalmers Co.....	22 43	
Lewis, H. R. & Co.....	60	
Morse & Co.....	34 38	
Morse, Frank S.....	101 05	
Pay roll.....	1,370 95	
Rice & Miller Co.....	2 60	
Union Iron Works.....	6 25	
Woodman, J. F. & Co., coal.....	8 77	
Woodman, C. Co., spruce boards.....	6 06	
Insurance.....		\$ 336 00
Carter, Edwin H.....	\$ 84 00	
Curran, Wm. F.....	42 00	
Gallagher, Hugh H.....	84 00	
Lord, Henry & Co.....	42 00	

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CITY OF BANGOR

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Bridges—Continued

Pearl & Dennett Co	42 00	
Freeland-Mann Co.....	42 00	
All other.....		\$ 13 60
Brooks, J. S., car fares.....	\$ 7 40	
Matheson, W. D., teams.....	5 00	
McKenney, Galen, filing saws.....	1 20	

CHARITIES**General Administration:**

Salaries and expenses.....		\$1,397 51
Salaries.....		\$1,282 97
Office expense.....		110 04
Atlantic Express Co.....	\$ 75	
Bacon, John H., Ptg. orders.....	2 00	
Bangor Co-Operative Ptg., Co., printing.....	3 75	
Bass, J. P. Pub. Co., advertising.....	2 25	
Cutter, L. W., index box.....	1 93	
Donham, G. M., state register.....	2 00	
Gibbons, James, stamps.....	1 00	
Glass, C. H. & Co., tags and cards.....	1 00	
Library Bureau, books and cards.....	28 95	
New England Tel. & Tel. Co.....	46 95	
Overseers of the Poor, stamps, etc.....	15 75	
Sullivan, Dan. T. office supplies.....	2 80	
Supply Dept., supplies.....	91	
Due from Treasurer.....		\$ 4 50
City Treasurer, overpaid City Treasurer.....	\$ 4 50	

Charities—Continued

Almshouse.....		\$18,355 19
Salaries and wages.....	\$4,775 81	
Groceries and provisions.....	4,396 58	
Armour & Co.....	\$ 819 59	
Bangor Egg Co.....	7 75	
Cassidy, John Co.....	593 80	
Caverly Plumer Co.....	72 00	
Chapin, Arthur Co.....	696 35	
Cudahy Packing Co.....	41 50	
Dunning, Herbert A.....	9 80	
Echo Farms Co., canning string beans.....	14 40	
Fleischmann Co.....	28 58	
Foster, Frank F.....	15 68	
Gallagher, C. P.....	54 20	
Gallagher, T. F.....	540 79	
Hall, F. T. & Co.....	8 16	
Hewes, E. E.....	10 20	
Hopkins, A. R. Co.....	26 25	
Holick's Malted Milk Co.....	8 00	
Jones, Alfred Sons.....	333 87	
Joy, A. W. Co.....	81 01	
Martini, Paul.....	1 80	
Murray Bros.....	140 03	
National Biscuit Co.....	43 10	
Oriental Tea Co.....	101 40	
Rice, C. H. & Co.....	18 14	
Savage, T. R. & Co.....	293 19	
Sulzberger & Sons Co.....	19 80	
Sweet, Caldwell Co., extracts for flavoring.....	6 05	
Swift & Co.....	247 69	
Towle, J. N. & Co.....	11 00	
Wescott, Geo. I. & Son.....	152 45	
Fuel.....	\$2,322 59	
Goldthwait, John, wood.....	\$ 20 00	
Hincks Coal Co., coal.....	300 04	
Maine Central R. R. Co., freight on car of edgings.....	13 50	

Charities—Continued

Perkins & Danforth, car of green edgings	\$30 00	
Sterns Lumber Co., wood	1,457 19	
Woodman, J. F. & Co., coal	501 86	
Dry goods and clothing		\$ 680 69
Adams Dry Goods Co., dry goods	\$ 132 60	
Beckman, The Co., dry goods	12 70	
Benson & Miller, cotton damask	2 00	
Clark, John T. & Co., clothing	22 63	
Cohen, Simon, clothing	21 14	
Hale, C. B. & Co., dry goods	8 60	
Hodgkins & Fiske Co., dry goods	85 32	
Meyer, John C. & Co., thread	7 50	
New York Syndicate, clothing	125 12	
Robinson, J. A. & Co., clothing	9 50	
Standard Clothing Co., clothing	5 00	
Waterman, J. Co., clothing	3 75	
Wood & Ewer Co., clothing and dry goods	244 83	
Special Medical attendance		\$ 58 75
Brown, Dr. E. E.	\$ 2 00	
Howes, Dr. L. M., operation at City Farm	20 00	
King, Dr. H. A.	3 00	
Milliken, Dr. H. J., operation at City Farm	25 00	
Woods, J. B., glasses, professional service	8 75	
Grain and feed		\$1,607 78
Brastow, F. H. & Son, corn	\$ 23 50	
Brown & White Co., feed	30 00	
Dunning, R. B. & Co., grain	2 25	
Eastern Grain Co., grain	112 75	
Frey Bros., waste	250 70	
Hewes, E. E., feed	4 30	
Hopkins, A. R. Co., grain	74 30	
Jennison, W. A., grain	90 75	
Thaxter, A. H. Co., grain and feed	101 98	
Towle, J. N. & Co., grain	917 25	

Charities—Continued

Livestock		\$ 410 00
Fire Dept., pair of horses	\$ 275 00	
Garland, C. L., 1 Holstein cow	75 00	
Weiler, Earl, 1 cow	60 00	
Medicine		\$ 574 91
Frawley, John P., prescription	\$ 1 40	
Revere Distilling Co., whiskey	123 82	
Snow & Nealley Co., medicine	4 00	
Sweet, Caldwell Co., medicine	445 69	
Boots and shoes		\$ 166 95
Arnold, J. M. Shoe Co.	38 36	
Cohen, Simon	13 20	
New York Syndicate	22 08	
Sawyer Boot & Shoe Co.	83 31	
Sheehan, W. A.	10 00	
Material and repairs		\$1,351 31
Acme Mfg. Co., repairs	\$ 3 50	
American Express Co., express	85	
Atkins Bros. & Co., wall paper	3 46	
Bragg, N. H. & Sons	5 39	
Brown & White Co., repairs	10 53	
Cutter, Leslie W., repairs	4 50	
Dean Steam Pump Co., repairs	12 18	
DeCosta, F. L., repairs to building	92 05	
Dickey, W. P. & Co., material	17 76	
Dugan, P. T. & Co., bags, taps, etc.	15 25	
Dunham-Hanson Co., raw oil, hardware	7 05	
Dunning, R. B. & Co., repairs	326 41	
Electric Dept., repairs	24 66	
Fessenden, C. P., repairs	50 00	
Haynes & Chalmers Co., hen wire, etc.	21 46	
Holstein-Friesian Reg. Co., repairs	1 25	
Kelley, Andrew Carriage Co., repairs to equipment	4 50	
Kendall-Winch Co., repairs	5 00	

Charities—Continued

Knowles & Dow Co., repairs	9 06
Lewis, H. R. & Co., repairs	26 50
Lynch, M. & Co., repairs	90
Madden, M. J. Harness Co., repairs and horse blankets	5 95
Maine Central R. R. Co., freight on material	75
Mayo, B. W., repairs, plumbing	21 17
McKenney, Galen, filing saws	60
Moore, Harry A., welding a gear	1 25
Morse & Co., material	28 73
Noyes & Nutter Mfg. Co., sink	6 50
Parkhurst, J. F. & Son Co.	7 31
Penobscot Machinery Co., repairs	2 16
Pfaff, Adolf, repairing clock	75
Reid, Geo. W., repairs	4 74
Reilly, R. J., Roofing Co., repairs	1 92
Rice & Miller Co., repairs	61 46
Schwartz, M. Sons, repairs	9 39
Snow & Nealley Co., material	2 69
Special Fund for repairing almshouse	340 27
Sterns Lumber Co., lumber	9 15
Thompson, E. B. Co., repairs and material	24 90
Thoms, H. B., repairs to equipment	28 10
Welch, C. E., horseshoeing and repairs	128 05
Wood & Bishop Co., repairs	55
Woodman, C. Co., lumber	22 66

Conveyance..... \$ 21 75

Alexander, Fred D., carriage	\$ 1 00
Eastern Maine Gen'l Hospital, ambulance	11 50
Kane, Michael, carriage	3 00
McTigue, John, carriage	5 75
Overseers of the Poor, carriage	50

Veterinary..... \$ 20 00

Dwinal, C. Frank	\$ 2 50
Murch, A. L.	12 50
Strout, M. E.	5 00

Charities—Continued

Dishes and material for household use, etc.....		\$ 456 22
Armour & Co., soap, etc.....	\$ 76 99	
Bangor Broom Co., brooms.....	7 80	
Bangor Mattress Co., 2 mattresses.....	8 25	
Brown & White Co., brooms and salt.....	2 10	
Conant, C. M. Co., lamp and bracket.....	1 26	
Cudahy Packing Co., soap polish.....	12 00	
Dunham-Hanson Co., appleparer.....	60	
Dunning, R. B. & Co., wringer.....	1 50	
Eastern S. S. Corpn., freight on towels, etc.....	35	
Hodgkins & Fiske Co., oil cloth and enamel cloth..	16 29	
Lewis, H. R. & Co., 1 Glenwood range, pipe, etc..	153 28	
Noyes & Nutter Mfg. Co., spoons and knives.....	4 22	
Swift & Co., soap.....	27 50	
Vose, P. H. & Co., dishes, etc.....	103 23	
West Disinfecting Co., towels.....	40 85	
Fire protection.....		\$ 151 00
Hardy, J. M.....	151 00	
Seed.....		\$ 115 48
Dunning, R. B. & Co.....	\$ 115 48	
Equipment.....		\$ 263 72
Haynes & Chalmers Co., 2 lawn mowers.....	\$ 11 50	
Highway Dept., 1 set harness.....	18 00	
International Harvester Co., 1 low down spreader..	87 42	
Knowles & Dow Co., sprayer, etc.....	19 75	
Madden, M. J. Harness Co., harness.....	63 40	
Mason, W. S., 1 wheel jack.....	3 00	
Thompson, E. B. Co., lawn mower, wheel barrows, etc	60 65	
Fertilizer.....		\$ 440 05
Fire Dept.....	\$ 44 00	
Highway Dept.....	125 00	
Littlefield, J. E.....	61 80	
Morrison Bros.....	209 25	

Charities—Continued

Disinfectants.....		\$ 327 50
Dolge, C. B. Co.....	\$ 9 50	
Dunning, R. B. & Co.....	15 00	
Orient Spray Co.....	50 60	
West Disinfecting Co.....	212 40	
Worrall Mfg. Co.....	40 00	

All other.....		\$ 214 10
Bangor Co-Operative Ptg. Co., Stamped envelopes.	\$ 11 75	
Bangor Publishing Co., advertising.....	8 00	
Bangor Window & Sign Cleaning Co., rent of vacuum machine.....	1 00	
Bass, J. P. Pub. Co., advertising.....	1 68	
Bean, W. A., killing hogs.....	7 00	
Berry & Smith, wagon cover.....	2 25	
Chase, A. L., services of interpreter.....	5 00	
City Treasurer, express bills, registering cows, etc.	9 06	
Conant, C. M. Co., felts for incubator.....	1 50	
Curtis, James, ice.....	14 64	
Dugan, P. T. & Co.....	2 50	
Earle, W. H., rubber stamp.....	60	
Elliott, H. E. Est., rent of pasture.....	20 00	
Engel, Wm. & Co., sawdust.....	6 00	
Erickson, E. H. Art. Limb Co., supplies.....	1 80	
Farms, The Beverly, 100 chickens.....	15 00	
Finnegan Bros., burial of two paupers.....	38 00	
Gallagher, T. F., fly paper.....	05	
Garland, C. L., glasses.....	1 00	
Hughes, M., use of teams.....	18 00	
Kelleher, J. T., burial of pauper.....	15 00	
Maine Central R. R. Co., demurrage and freight..	2 35	
New England Tel. & Tel. Co.....	7 50	
Snow & Nealley Co., oil.....	50	
Sterns Lumber Co., sawdust.....	2 00	
Standard Oil Co. of N. Y., oil.....	13 99	
Sullivan, Dan T., tablets, etc.....	2 45	
Supply Dept., pencils.....	14	
Utterback-Gleason Co., currycomb, brush, etc....	5 34	

Charities—Continued

Outside relief by City		\$8,387 60
Groceries and provisions		\$5,267 07
Anderson, A. F.	\$ 110 00	
Chapman, Geo. A.	119 98	
Clark, Chas. E.	10 00	
Drummond, F. H.	80 00	
Fickett, F. H.	7 20	
Fleming, J. F.	473 00	
Foley, J. E. Co.	245 00	
Fox, Elmer R.	29 93	
Frank, F. L. & Co.	25 00	
Gallagher, T. F.	118 00	
Heal, Fred L.	5 00	
Hickson, R. Sons.	627 00	
Jellison, H. E.	115 00	
Jones, F. L. & Co.	12 57	
Jones, F. S. & Co.	362 00	
Kane, A. H.	35 00	
Jordan, R. C.	82 00	
Joy, A. W. Co.	44 40	
Lord Bros.	63 50	
McDonald, H. E.	5 00	
McGrath, D. J.	684 75	
Matheson, W. D.	397 99	
Mann & Spencer.	20 00	
O'Connell Bros.	85 00	
Peterson, C. H.	55 00	
Piper, E. F.	285 00	
Ray & Stevenson.	15 00	
Robinson, S. H. & Son.	478 00	
Savage, T. R. Co.	9 25	
Spencer, E. F.	154 00	
Staples & Griffin.	157 00	
State Street Bakery.	1 50	
Thornton, J. D.	5 00	
Whitman, N. H.	13 00	
White, W. F.	115 00	

Charities—Continued

White, T.....	12 00	
Willis, Forrest.....	180 00	
Wilde, E. W.....	30 00	
Fuel.....		\$ 91 00
Brooks, Emma L.....	50	
Charity Dept., transfer from City Farm.....	90 50	
Dry Goods, clothing, boots and shoes.....		\$ 884 71
Arnold, J. M. Shoe Co., boots and shoes.....	2 07	
Besse, Ashworth Co., sweater.....	1 98	
Brooks, Emma L., clothing.....	50	
Buck, E. A. & Co., shoes.....	1 75	
Cohen, Simon, clothing, boots and shoes.....	192 88	
Connors, John Shoe Co., shoes.....	2 00	
Freese, A. Langdon, clothing.....	99 52	
Hale, C. B. & Co., clothing.....	18 72	
Robinson, James A. & Co., clothing.....	8 50	
Sawyer Boot & Shoe Co., boots and shoes.....	511 28	
Standard Clothing Co., clothing.....	42 09	
Taylor, E. R., clothing.....	3 42	
Medical attendance and medicine.....		\$ 345 00
Brooks, Emma L., medicine.....	\$ 5 50	
Brown, Dr. A. A.....	27 00	
Bryant, Dr. B. L.....	3 00	
Clough, Dr. H. T.....	4 50	
Curtis & Tupper, medicine.....	1 30	
Eastern Maine Gen'l Hospital.....	38 57	
Howes, Dr. L. M.....	20 00	
King, Dr. H. A.....	18 00	
Mason, Dr. L. S.....	3 00	
Mason, Dr. W. S.....	3 00	
McCann, Dr. Daniel.....	3 00	
McNally, Dr. W. P.....	3 00	
Milliken, Dr. H. J.....	26 00	
Sanger, Dr. E. B.....	22 00	

Charities—Continued

Sweet, Caldwell Co., medicine.....	141 83
Thomas, Mrs. Edith, medicine.....	30
Woods, Dr. J. B.....	25 00

Rent..... \$ 320 18

Elias, O.....	\$ 40 00
Jacobs, Abraham.....	5 00
Jacobs, Miss Bessie.....	42 00
Kominsky, Mrs. Sarah.....	55 00
Parkhurst, J. F. & Son Co.....	60 00
Rich, Joe.....	21 75
Sanborn, Mrs. Inez.....	20 43
Siegal, Joseph.....	32 00
Wallace, Samuel.....	44 00

Board..... \$ 899 60

Adams House.....	2 80
Brooks, Emma L.....	292 39
Cooper, Annie B.....	78 00
Riley, Mrs. Vina.....	18 00
Russell, Mrs. Wm.....	18 00
Towle, Mattie.....	104 00
Thomas, Mrs. Edith.....	70 00
Thomas, John.....	42 50
Winchester, C. E.....	7 50
Tracy, Mrs. Fred.....	266 41

Transportation..... \$ 365 47

Alberts, John.....	2 25
Alexander, F. A.....	50
Bangor Motor Co.....	6 00
Bennett, A. E.....	1 00
Eastern S. S. Corporation.....	134 45
Kane, Michael.....	3 50
Maine Central R. R. Co.....	207 27
McTigue, John.....	4 50
Quinn, Wm. J.....	4 00
Rosen, M. L.....	2 00

Charities—Continued

All other.....		\$ 214 57
Brooks, Emma L., oil.....	\$ 3 00	
Dugan, P. T. & Co., taps, etc.....	7 07	
Hathorn, R. E., burial of paupers.....	16 00	
Kelleher, J. T., burial of paupers.....	102 00	
Lambert, Lillian, nursing.....	8 00	
Mitchell, Dr. F. H., dentistry.....	4 00	
Overseers of the Poor.....	1 00	
Parkhurst, J. F. & Son Co.....	50	
Pond, Galen S., burial of pauper.....	19 00	
Reid, H. S., moving Mrs. Quinn.....	2 00	
Savage, A. B.....	4 00	
White, R. B., burial of pauper.....	48 00	

Relief given by other cities and towns..... \$ 775 62

Provisions.....		\$ 373 38
Bath, City of.....	\$ 21 00	
Manchester, Town of.....	304 98	
Rockland, City of.....	30 95	
Unity, Town of.....	16 45	

Fuel.....		\$ 141 62
Farmington, Town of.....	\$ 10 00	
Gardiner, City of.....	7 50	
Manchester, Town of.....	111 42	
Rockland, City of.....	12 70	

Board.....		\$ 115 42
Fairfield Sanatorium.....	\$ 76 42	
Heron, Town of.....	2 00	
Portland, City of.....	25 00	
Rockland, City of.....	12 00	

Medical attendance.....		\$ 19 50
Bath, City of.....	\$ 16 00	
Brewer, City of.....	3 50	

Charities—Continued

Rent		\$ 79 50
Gardiner, City of	\$ 31 00	
Manchester, Town of	48 50	
Burial		\$ 29 00
Kelleher, J. T.	\$ 29 00	
All other		\$ 17 20
Manchester, Town of, moving	\$ 5 50	
Rockland, City of, boots and shoes	7 30	
Portland, City of, ticket, \$3.40, cash, \$1.00	4 40	
Other expenses		\$ 31 53
Other expenses		\$ 31 53
Bangor Co-Operative Ptg. Co., envelopes	2 50	
Bangor Publishing Co., advertising	2 40	
Cannon & Co., city directory	3 00	
New England Tel. & Tel. Co.	18 95	
Overseers of the poor, postage	4 00	
Supply Dept.	68	
City Physician's salary		\$ 375 30

SOLDIERS' BENEFITS

State pensions	\$5,163 00
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EDUCATION**General Administration:**

Office, Supt., medical, clerk, committee		4,150 19
Superintendent, salary	\$2,360 12	
Committee, salary	283 20	
Medical inspectors, salary	944 08	
Clerk, salary	425 99	

Education—Continued

Office.....		136 80	
Burr, T. W. Ptg. & Adv. Co.....	\$ 29 03		
New England Tel. & Tel. Co.....	107 77		
School Agent and Truant Officer.....			\$ 891 67
School Agent.....		\$ 656 97	
Truant Officer.....		234 70	

Teachers' Salaries:

High School.....	\$26,989 10
Common School.....	68,097 48

Text Books and Supplies

Text books and supplies.....		8,417 82
Text books	\$4,062 52	
Allyn & Bacon.....	\$ 78 04	
American Book Co.....	767 58	
Appleton, D. & Co.....	82 55	
Atkinson, Mentzer Co.....	16 00	
Babb, Edward E. & Co.....	829 21	
Barnes, The A. S. Co.....	19 77	
Cannon & Co.....	9 00	
Freese, A. Langdon.....	7 00	
Ginn & Co.....	813 56	
Hammett, J. L. & Co.....	85 50	
Heath, D. C. & Co.....	492 98	
Houghton, Mifflin Co.....	28 10	
Harper Bros.....	15 00	
Haines, Mrs. Flora E.....	10 00	
Holt, Henry & Co.....	17 64	
Little, Brown & Co.....	198 08	
Lyons & Carhahan.....	5 37	
Merrill, Chas. E. Co.....	9 44	
Pearson & Marsh.....	54 10	
Scribner, Chas. & Sons.....	62 85	
Silver, Burdett & Co.....	457 60	
White, Smith Publishing Co.....	3 15	

Text Books and Supplies—Continued

School supplies.....		\$2,588 59
American School Board Journal.....	\$ 1 50	
Andrews Music House.....	6 84	
Andrews Paper Co.....	20 25	
Atkinsan, Mentzer Co.....	25 86	
Babb, Edward E. & Co.....	90 10	
Bangor Broom Co.....	3 50	
Bangor Co-Operative Ptg. Co.....	186 75	
Bangor Window & Sign Cleaning Co.....	58 50	
Bausch & Lomb Optical Co.....	5 55	
Bean, O. Crosby.....	83	
Bradley, M. Co.....	475 43	
Brown & Sharpe Mfg. Co.....	12 48	
Burr, T. W. Ptg. & Adv. Co.....	185 61	
Chandler & Co.....	5 50	
Curtis & Tupper.....	2 90	
Dickey, W. P. & Co.....	2 60	
Dillingham, E. F.....	81 17	
Ditson, Oliver Co.....	4 15	
Dunham-Hanson Co.....	2 77	
Dunning, R. B. & Co.....	24 24	
Eastern S. S. Corporation, freight on supplies.....	1 93	
Earle, Wm. H.....	12 00	
Eagle Oil & Supply Co.....	59 45	
Eagle Pencil Co.....	97 70	
Fischer, Carl.....	78	
Freese, A. Langdon.....	16 03	
Flanagan, A. Co.....	1 14	
Glass, C. H. & Co.....	26 50	
Gregg, The Publishing Co.....	8 39	
Haynes & Chalmers Co.....	6 95	
Hammett, J. L. Co.....	210 76	
Harper Bros.....	18 29	
Holden Patent Book Cover Co.....	93 01	
Hodgkins & Fiske Co.....	3 75	
Jennings Publishing Co.....	2 88	
Kee Lox Mfg. Co.....	65 75	

Text Books and Supplies—Continued

Kenney Bros. & Wolkins.....	5 50	
Knott Apparatus Co.....	123 81	
Library of Congress.....	22 67	
Loring, Short & Harmon.....	4 00	
Library Bureau.....	24 25	
Maine Central R. R. Co., freight on supplies.....	25 73	
McGrath, D. J.....	50	
McKenney, G.....	65	
McKinley Publishing Co.....	4 87	
Nichols, E. C. Dry Goods Co.....	2 21	
Noyes & Nutter Mfg. Co.....	12 58	
Orient Spray Co.....	8 61	
Rice & Miller Co.....	1 31	
Savage, T. R. Co.....	4 30	
Scott Paper Co.....	113 28	
Scott, Forsman Co.....	2 50	
Silver, Burdett & Co.....	9 00	
Smith, L. C. Bros.....	5 00	
Snow & Nealley Co.....	8 55	
Sullivan, Dan T.....	348 05	
Sweet, C. Co.....	14 76	
Thomas, F. H. Co.....	4 50	
Trickey, H. A. M.....	4 97	
Underwood Typewriter Co.....	10 50	
Winchester, C. F.....	55	
Wood & Bishop Co.....	2 70	
Woolworth, F. W. Co.....	1 40	
Furniture and fixtures.....		\$1,766 71
Burroughs Adding Machine Co., adding machine..	\$ 147 00	
Kenney Bros. & Wolkins, desks, blackboards, etc..	1,075 96	
Lynch, M. & Co., safe.....	200 00	
Royal Typewriter Co., typewriter.....	100 00	
Smith, L. C. & Bros., typewriter.....	102 50	
Underwood Typewriter Co., typewriter.....	142 25	

Janitors' Service:

High School.....	\$5,517 75
Common School.....	\$5,930 64

Fuel and Light:

High School.....		\$3,885 63
Coal.....	\$3,749 09	
Hincks Coal Co.....	\$1,649 86	
Woodman, J. F. & Co.....	2,099 23	
Wood.....		\$ 6 00
Connor Coal & Wood Co.....	\$ 6 00	
Gas.....		\$ 130 54
Bangor Gas Light Co.....	\$ 130 54	
Common School.....		\$6,788 83
Coal.....	\$5,483 08	
Hincks Coal Co.....	\$ 712 54	
Woodman, J. F. & Co.....	4,770 54	
Wood.....		\$1,265 00
Connor Coal & Wood Co.....	\$ 643 75	
Morrison, C. H.....	432 50	
Nelligan, P.....	50 00	
Wilson, H. L.....	138 75	
Gas.....		\$ 40 20
Bangor Gas Light Co.....	\$ 40 20	
Oil.....		\$ 55
McGrath, D. J.....	\$ 55	

Maintenance and Repairs

Maintenance and repairs.....		\$10,352 80
Carpenter repairs.....	\$1,201 20	
Cowan & McCarthy.....	\$ 6 69	
Crocker, W. A.....	153 02	
Cutter, Leslie W.....	110 33	

Maintenance and Repairs—Continued

Gatchell, E. L.	23 03	
Hines, M. F.	88 15	
Lancaster, M. H.	8 34	
Lewis, H. R.	1 00	
Matthews, H. W.	13 00	
Morse & Co.	110 91	
Morse, F. S.	276 57	
Morrison, C. H.	38 00	
North, R. S.	177 39	
Patten, L. P.	52 65	
Reid, Geo. W.	36 22	
Rice & Miller Co.	16 90	
Woodman, C. Co.	89 00	
Painting repairs.		\$1,887 40
Atwood, H. W.	\$ 47 25	
Atkins Bros.	186 65	
Atkins, A. G.	136 72	
Berry, John F.	74 00	
Dore, Willis H.	84 42	
Dunning, R. B. & Co.	85	
Eldridge, F. E. Co.	575 19	
Gorham, W. H. & Co.	341 28	
Haynes & Chalmers Co.	85	
Libby, Chas. W.	47 25	
Morse & Co.	43 53	
O'Leary, D. V.	6 65	
Rice & Miller Co.	151 92	
Snow & Nealley Co.	1 80	
Sonneborn, L. & Sons.	10 27	
Wiley, H. F. & John Canty.	178 77	
Plumbing repairs.		\$ 597 16
Babb, C. H. & Co.	\$ 336 46	
Dunning, R. B. & Co.	8 36	
Kelley, E. F. & Sons.	6 08	
Maine Plumbing Co.	238 48	
Penobscot Machinery Co.	7 78	

Maintenance and Repairs—Continued

Heating Repairs.....		\$2,839 49
Babb, C. H. & Co.....	\$2,573 76	
Lewis, H. R. & Co.....	10 60	
Mansur, Wilfred E., specifications for heating apparatus.....	95 00	
Penobscot Machinery Co.....	46 88	
Noyes & Nutter Mfg. Co.....	15 50	
Union Iron Works.....	59 22	
Wood & Bishop Co.....	38 53	
Furniture.....		\$ 241 75
Hodgkins & Fiske Co.....	\$ 111 00	
Kenney Bros. & Wolkins.....	130 75	
Lockers.....		\$ 328 00
Van Dorn Iron Works.....	\$ 328 00	
Cleaning and material.....		\$ 717 73
Bangor Window & Sign Cleaning Co.....	\$ 128 46	
Cudahy Packing Co., material.....	11 76	
Dallman, H. L. Co., material.....	12 25	
Dysart, Nellie, cleaning.....	2 50	
Eastern S. S. Corpn., freight on cleaning material..	2 75	
Ellis, Florence, cleaning.....	4 00	
Freese, A. Langdon, cheesecloth.....	6 20	
Hanson, Mrs. Peter, cleaning.....	3 00	
Hazelton, Mrs. B. E., cleaning.....	7 00	
Kerr, John, cleaning.....	36 00	
Mazury-Young Co., Nodusto.....	107 28	
McCarthy, Hugh, cleaning.....	5 25	
McCarthy, Mary, cleaning.....	3 00	
Morrison, C. H., cleaning.....	22 00	
O'Leary, Dennis V., cleaning.....	2 50	
Orient Syray Co., Orient spray.....	82 00	
Peabody Anto Dust Co., material.....	2 25	
Pritchard, W. H., cleaning.....	23 25	
Russell, Mary, cleaning.....	3 00	

Maintenance and Repairs—Continued

Savage, T. R. Co., Bon Ami, etc.....	25 05	
Speares, Alden Sons Co., material.....	27 73	
Watson, Chas., cleaning.....	6 00	
West Disinfecting Co., material.....	194 50	
Fire escape.....		\$ 175 00
Penobscot Machinery Co.....	\$ 175 00	
Other repairs.....		\$1,719 29
Atwood, H. W.....	\$ 27 00	
Blethen, A. R.....	3 00	
Boyle, James.....	8 57	
Bragg, N. H. & Sons.....	78	
Casey, F. T.....	43 17	
City Treasurer.....	32 86	
Cutter, L. W.....	10 99	
Dole Co., The.....	109 56	
Dore, Willis H.....	1 30	
Dunning, R. B. & Co.....	4 63	
Electric Dept.....	73 02	
Dunham-Hanson Co.....	5 20	
Eldridge, Fred E. Co.....	22 79	
Fessenden, C. P.....	5 25	
Finn, John B., roof repairs.....	38 26	
Fish, Wm. E., mason repairs.....	127 90	
Haynes & Chalmers Co.....	41 87	
Holtzer-Cabot Electric Co.....	1 03	
Howard, E. Clock Co., repairing bell dome.....	2 83	
Hutchins, I. M., repairing clock.....	2 00	
Keenan, Thos. E. & Son.....	45 13	
Kenney Bros. & Wolkins, blackboards.....	39 78	
Marston & Son, repairs on balls of flagpoles.....	1 50	
Lane, J. N. V.....	50 81	
Lewis, H. R.....	75	
Libby, Chas. W.....	28 30	
Lynch, M. & Co., repairs on locks, keys.....	143 20	
Martins Bros., repairs on window shades.....	73 90	

Maintenance and Repairs—Continued

McCosker, J. P., repairing high school stage.....	2 50	
Mooney, James.....	15 75	
Morse & Co.....	156 78	
Morse, F. S., putting on outside windows.....	3 75	
Noyes & Nutter Mfg. Co.....	1 42	
O'Leary, D. V., mason repairs.....	3 63	
Penobscot Machinery Co.....	12 70	
Pfaff, A., repairing clock.....	1 75	
Pol, Bernhard, repairing clocks.....	22 00	
Reilly, R. F. Roofing Co., repairing roof.....	14 90	
Rice & Miller Co.....	158 83	
Rogers, S. L., repairing clocks.....	1 25	
Shaw, E. T., repairing clocks.....	5 00	
Smith & West.....	2 18	
Snow & Nealley Co.....	39 35	
Trask, Allan P., repairing clocks.....	8 50	
Ward, John M., mason repairs.....	282 56	
Watson, Chas.....	6 00	
Wood & Bishop Co.....	34 61	
Woolworth, F. W. Co.....	45	
All other.....		\$ 645 78
Andrews Music House, sheet music.....	\$ 2 50	
Bangor Broom Co., brooms.....	4 00	
Bangor Gas Light Co., Melrose tubing.....	1 00	
Bass, J. P. Pub. Co., advertising.....	2 00	
Bradbury, C. E., trucking.....	32 75	
Bradley, Milton Co., tag board.....	3 90	
Bragdon, C. M.....	75	
Bragg, N. H. & Sons.....	33	
Chandler & Co., screen, etc.....	17 55	
Crocker, Willis A., flag poles.....	37 88	
Dunning, R. B. & Co.....	11 78	
Eastern S. S. Corpn., freight.....	3 62	
Franklin, The, Laundry, laundry.....	1 96	
Gerrity, J. F. & Co., wire, hanging picture.....	1 50	
Gorham, W. H. & Co., hooks.....	33	

Maintenance and Repairs—Continued

Hathorn, John C., removing ashes	5 75
Haynes & Chalmers Co.	29 74
Hughes, M., removing ashes	12 50
Lewis, H. R. & Co., removing stove	5 85
Morrison, A. D.	183 00
Morrison, C. H., banking schoolhouses	35 50
Mulvaney Bros.	12 15
New England Tel. & Tel. Co.	14 16
Porter-Parsons Co., laundry	19 74
Ridley, F. C. Transfer Co., trucking	2 10
Savage, T. R. Co., brooms	7 00
Scott Paper Co., towels	58 80
Snow & Nealley Co., flags	23 64
Stone & Forsyth Co., drinking cups	31 25
Sullivan, Dan T., paper	1 50
Towle, J. N. & Co.	93
Van Dorn Iron Works Co.	2 50
Whipple, L.	4 50
White, S. A., removing ashes	68 25
Willey & Calhoun, valve	5 07

Manual Training

Manual training		\$1,294 27
Dry goods		\$ 125 79
Adams Dry Goods Co.	\$ 4 77	
Freese, A. Langdon	121 02	
Groceries		\$ 264 90
Lord Bros.	45 41	
Hall, Fred T. & Co	65	
James, J. G.	28 11	
Jones, F. S. & Co.	51 97	
Peavey & Higgins	13 44	
Whitman, N. W.	53 96	
Wilde, E. W.	46 43	
Winchester, L. F.	24 93	

Manual Training—Continued

Meats and fish.....		\$ 67 29
Eureka Dept. Market, meats.....	\$ 4 12	
Jones, Chas. S., fish.....	18 36	
Lynch's Leading Market, meats.....	44 81	
Milk and cream.....		\$ 39 76
Lewis, L. L.....	\$ 39 76	
Lumber.....		\$ 291 73
Morse & Co.....	\$ 234 39	
Penobscot Lumber Co.....	57 34	
Tools.....		\$ 132 29
Bradley, M. Co.....	\$ 8 30	
Bragg, N. H. & Sons.....	2 47	
Brown & Sharpe Mfg. Co.....	1 91	
Card, S. W. Mfg. Co.....	1 59	
Chandler Farquhar Co.....	30 32	
Chicago Apparatus Co.....	18 76	
Dunham-Hanson Co.....	5 05	
Gorham, W. H. & Co.....	2 40	
Knott Apparatus Co.....	41 47	
Morse Twist Drill & Machine Co.....	9 00	
Rice & Miller Co.....	10 37	
Union Twist Drill Co.....	65	
Miscellaneous.....		\$ 372 51
Bangor Ice Co., ice.....	\$ 18 95	
Bradley, Milton Co., scissors and paper.....	7 80	
Bragg, N. H. & Sons, supplies.....	11 48	
Dickey, W. P. & Co., supplies.....	13 36	
Dunham, Hanson Co., supplies.....	48 74	
Gorham, W. H. & Co., supplies.....	80 90	
Haynes & Chalmers Co., supplies.....	42 33	
McKenney, G., filing saws.....	1 00	
Porter-Parsons Co., laundry.....	9 36	
Rice & Miller Co., supplies.....	73 80	

Manual Training—Continued

Schwartz, M. Sons, supplies.....	44 54
Sweet, C. Co., supplies.....	16 17
Union Iron Works, supplies.....	4 08

Night School

Night school.....	\$ 444 75
Salaries.....	\$ 444 75

Incidental

Incidental.....	\$2,623 02
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Advertising and printing.....	\$ 207 63
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Bacon, J. H., high school catalogues.....	\$ 58 00
Bangor Co-Operative Ptg. Co., programs.....	6 25
Bangor Publishing Co., advertising.....	12 98
Bass, J. P. Pub. Co., advertising.....	25 00
Burr, T. W. Ptg. & Adv. Co., diplomas, etc.....	65 65
Furbush Ptg. Co., The, printing.....	15 00
Glass, C. H. & Co., printing.....	24 75

Trucking and freight.....	\$ 74 91
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Bradbury, C. E., trucking.....	\$ 42 00
Eastern S. S. Corp., freight.....	47
Maine Central R. R. Co., freight.....	5 83
Ridley, F. C. Transfer Co., trucking.....	26 61

Football and Basketball outfits.....	\$ 224 63
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Crosby, S. L. Co.....	\$ 224 63
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Furniture.....	\$ 36 50
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Farrar Furniture Co.....	\$ 7 50
Guth, A. E. Piano Co., piano covers.....	7 50
Jones, L. E., typewriter tables.....	9 00
Kenney Bros. & Wolkins.....	12 50

Teams.....	\$ 118 00
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Kane, Michael.....	\$ 118 00
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Incidental—Continued

Telephone.....		\$ 59 88
New England Tel. & Tel. Co.....	59 88	
Vaccination.....		\$ 25 60
Brown, Dr. A. A.....	25 60	
Rent for kindergarten.....		\$ 511 25
Fessenden, C. P.....	105 00	
O'Leary, D. V. et als.....	406 25	
Insurance.....		\$ 702 92
Baker & Hodge.....	\$ 78 40	
Blake, Barrows & Brown.....	70 56	
Bright, J. M.....	39 20	
Boyd, J. H.....	15 68	
Carter, Edwin H.....	114 75	
Curran, W. F.....	133 38	
Lord, Henry & Co.....	22 40	
Kirstein, Louis & Sons.....	84 00	
McClure, J. W. & Son.....	31 36	
Pearl & Dennett Co.....	66 15	
Tyler, L. C. Sons Co.....	47 04	
All other.....		\$ 661 70
Allen, A., taking census, Ward 1.....	\$ 32 55	
Adams Dry Goods Co.....	4 76	
Andrews Music House, tuning piano.....	2 50	
Archer, H. L., labor on stage.....	1 25	
Atwood, H. W., labor on stage.....	2 75	
Babb, C. H. & Co., Newbury St. playgrounds.....	22 67	
Bangor Window & Sign Cleaning Co., cleaning material.....	14 70	
Boyd, E. T., taking census, Ward 7.....	45 14	
Brown, W. L., tickets.....	5 22	
Cosmey, J. L.....	2 50	
Ferry, Edwin L., taking census, Ward 2.....	22 89	
Gerrity, J. F. Co., wire and haging picture, etc...	4 95	
Goldthwait, John, taking tickets.....	1 50	

Incidental—Continued

Gray, Edgar W., labor on stage.....	2 50	
Hathorn, Geo. E., taking census Wards 5 and 6..	33 09	
Hathorn, J. G., removing ashes.....	7 50	
Howard & Brown, diplomas.....	15 50	
Larrabee, Geo. H., expense to Castine.....	9 25	
Leavitt, Eben, cheese cloth.....	2 70	
Magee, John H., expense to Lyford Speaking Con- test	3 50	
Mansur, James T., taking census Ward 3.....	38 66	
McConaughty, Prof. James L., expenses from Brunswick, lecture.....	16 86	
Morrison, Archie D., Xmas trees.....	10 00	
O'Connell, John M., expense to Lyford Speaking Contest.....	3 50	
Patterson, F. A., architect fees.....	17 50	
Pullen, H. M., orchestra, graduation.....	50 00	
Richardson, Mrs. Wallace, dinners for special teach- ers.....	3 00	
Richardson, Mrs. W. M., dinners for special teach- ers.....	2 25	
Stevens, Prof. J. S., lecture.....	10 20	
Stuart, Helen L., service in high school library....	7 07	
Trickey, H. A. M., taking census Ward 4	25 02	
Tubbs, Prof. Frank D., lecture.....	16 59	
Valentine Co., use of chairs.....	7 10	
Walz, Wm. E., lecture.....	10 00	
Wentworth, surveying wood.....	2 00	
Wormwood, D. L., various trips.....	204 53	
Conveyance.....		\$ 448 00
Colburn, Edwin S.....	\$ 224 00	
Smith, Mrs. F. H. C.....	224 00	
Water.....		\$ 385 51
Freight.....	\$ 28 97	
Maine Central R. R. Co.....	28 97	

Incidental—Continued

Fountain		\$ 316 34
Smith System Heating Co.....	316 34	
All other.....		\$ 40 20
Libbey, Chas., carrying water.....	\$ 7 00	
Stone & Forsyth Co., drinking cups.....	33 20	

LIBRARIES

Appropriation by the City.....		\$3,000 00
Bangor Public Library.....	\$3,000 00	
Granted by State.....		\$1,000 00
Bangor Public Library.....	\$1,000 00	

RECREATION**Parks and Gardens:**

Maintenance and operation.....		\$4,196 04
Pay roll.....	\$3,791 98	
Equipment and repairs.....	\$ 82 08	
Barnes, J. I., filing saws.....	1 75	
Bragg, N. H. & Sons.....	8 45	
Cutter, L. W., equipment repairs.....	8 81	
Dunning, R. B. & Co., equipment.....	8 46	
Haynes & Chalmers Co., equipment.....	16 60	
McKenney, Galen, filing saws.....	5 20	
McNeil, R. D., repairing wheelbarrow.....	1 60	
Morse & Co., 1 ladder.....	5 72	
North Park St. Garage, repairing equipment.....	8 00	
Peavey Mfg. Co., equipment.....	12 60	
Rice & Miller Co., equipment.....	1 37	
Schwartz, M. Sons, files, etc.....	81	
Utterback-Gleason Co., safety belt.....	2 30	
Wood & Bishop Co., equipment repairs.....	41	
Supplies.....	\$ 181 28	
Bragg, N. H. & Sons, 1 pc. steel.....	\$ 30	
Cutter, L. W., spruce.....	3 00	

Parks and Gardens—Continued

Dillingham, E. F., stationery.....	1 35	
Dunning, R. B. & Co.....	6 54	
Eastern Cement Co., cement.....	4 75	
Haynes & Chalmers Co., cord.....	92	
Loder, A. J., plants and shrubbery.....	155 62	
Lynch, M. Co., key.....	15	
Snow & Nealley Co., oil.....	2 35	
Woodman, C. Co., spruce lumber.....	6 30	
All other.....		\$ 140 70
American Express Co., express on plants.....	\$ 80	
Cutter, L. W., repairs to settees in parks.....	8 52	
Dunning, R. B. & Co., fertilizer.....	4 50	
Ellis, Wm., dressing, 1913.....	12 00	
Infiorati, A. J., painting signs.....	2 00	
McAuley & Kennedy, work on Broadway Park...	81 83	
Rice & Miller Co., paint.....	1 05	
Strickland, Mellen, ploughing park in Little City..	30 00	

MOTH EXTERMINATION

Moth Extermination.....		\$ 464 37
Salaries and wages.....	381 87	
Expense.....	\$ 82 50	
Sweet, Chas. F. and Alice M. Holway, mailing brown tail moth notices.....	75 00	
Skinner, Otis Optical Co., repairing prism binocular	7 50	

PLAYGROUNDS

Appropriation to Association.....		\$ 500 00
Eastern Maine Gen'l Hospital rent of field.....	\$ 50 00	
Whittier, Ralph N., playground work.....	450 00	

CELEBRATIONS AND ENTERTAINMENTS

Band concerts.....		\$ 400 00
Bangor Band.....	\$ 400 00	

Celebrations and Entertainments—Continued

All other.....		\$ 313 00
Carnival Week.....	\$ 200 00	
Bangor Chamber of Commerce.....	\$ 200 00	
Decorating City Hall.....	\$ 13 00	
Estabrook, G. G. Sons.....	\$ 13 00	
Concerts Fourth of July.....	\$ 100 00	
Bangor Band.....	\$ 100 00	

UNCLASSIFIED**Damages to Persons and Property**

Damages to persons and property.....		\$1,086 35
Damage to property.....	\$ 196 35	
Adams Dry Goods Co., blankets damaged, loaned at time of Opera House fire.....	7 00	
Alpert, Simon, repairs to sled, damaged by City team.....	4 00	
Anderson, Wm. H., bursting of water main.....	2 00	
Bailey, Guy S., bursting of water main.....	5 00	
Cunningham, E. S., bursting of water main.....	15 00	
DeCesera A., sewer damage.....	15 00	
Faulkner, C. S., bursting of water main.....	15 75	
Libby, S. N., bursting of water main.....	25 00	
Maloney, J. F., bursting of water main.....	19 00	
Maxfield, Byron S., bursting of water main.....	5 00	
Miller, G. E., bursting of water main.....	15 00	
Nason, O. I., bursting of water main.....	10 00	
O'Leary, May, front steps damaged by City team.....	10 50	
Thayer, H. E., bursting of water main.....	5 60	
Brown, Augustus Est., bursting of water main....	15 00	
Page, Estella A., bursting of water main.....	6 00	
Woodbury, H. W., sewer damage.....	21 50	

UNCLASSIFIED—Continued

Land taken.....		\$ 890 00
Kelley, P. J., new street.....	\$ 375 00	
O'Brien, Con. Est., new street.....	500 00	
Haynes, Black & Kirstein, referees on land taken .	15 00	

Memorial Day

Memorial Day.....		\$ 400 00
Clark, C. P., Spanish War Veterans.....	\$ 100 00	
Hannibal Hamlin Post, G. A. R.....	300 00	

Contingent

Payments not included in other classification		\$21,796 22
Bangor Yacht Club, use of landing.....	\$ 100 00	
Maine Shield.....	70 08	
Bragg, N. H. & Sons, bolts.....	\$ 1 23	
Haynes & Chalmers Co., nails.....	80	
Jones, H. P., packing Maine Shield.....	9 93	
Maine Central R. R. Co., freight on Maine Shield.....	13 39	
Morse, F. S., assembling Maine Shield.....	22 71	
Woodman, C. Co., spruce lumber.....	22 02	
Pump repairs.....		\$ 155 90
Babb, C. H. & Co.....	\$ 3 00	
Bragg, N. H. & Sons.....	34	
Conant, C. M. Co.....	31 91	
Dunning, R. B. & Co.....	69 21	
Eastern Cement Co.....	3 80	
Haynes & Chalmers Co.....	20	
Highway Dept.....	38 48	
Hopkins, A. R. Co.....	3 20	
Rice & Miller Co.....	10	
Supply Dept.....	2 28	
Union Iron Works.....	1 10	
Wood & Bishop Co.....	2 28	
Harbor Master.....		\$ 375 39
Salary.....	375 39	

UNCLASSIFIED—Continued

Supt. of Clocks.....		\$ 140 79
Salary.....	\$ 140 79	
Insurance on Court St. building.....		\$ 65 10
Curran, W. F.....	43 40	
Pearl & Dennett Co.....	21 70	
Special Audit—Cooley & Marvin Co and assistants..		\$12,763 62
Cooley & Marvin Co.....	\$12,007 95	
Dresser, Lillian H.....	84 00	
Everett, L. C.....	400 00	
Perry, Netta O.....	271 67	
Special Audit—other expenses.....		\$ 837 60
Bangor Post Office, stamps for notices to delinquent tax payers.....	110 27	
Burr, T. W. Ptg. & Adv. Co., Auditor's report and envelopes.....	\$ 475 81	
Over due tax notices.....	99 03	574 84
Dillingham, E. F., stylographic pen.....	1 25	
Lucier, H. J., stamps for reports.....	6 00	
Meinecke, F. H., stamps for notices to delinquent tax payers.....	80 24	
Thompson, M. L., work on deeds.....	10 00	
Utterback, J. G., postage on C. & M. Co. reports.....	55 00	
Old High School and Library lot.....		\$ 487 45
Derby, G. B. Co., removing granite.....	\$ 18 00	
Hincks Coal Co., coal for engine.....	10 00	
Hughes, M., removing granite.....	90 00	
Pay roll, removing granite.....	162 09	
Sawyer, W. F. & Co., use of derrick, etc.....	136 64	
Williams, C. E., removing granite.....	70 72	
Brewer City Tax, taxes on east end of dam.....		\$ 29 40

UNCLASSIFIED—Continued

Annual Report 1913-14		\$ 689 50
Bangor Co-Operative Ptg. Co., printing annual report.....	\$ 689 50	
Water Dept., Charities.....		\$2,276 00
Sidney Street retaining wall.....		\$ 333 02
Eastern Cement Co.....	11 40	
Highway Dept.....	263 12	
Morse, F. S.....	58 50	
Engineer's Maps.....		\$ 466 89
Engineering Dept., making maps for Assessors' office.....	466 89	
Deputy Collector.....		\$ 496 72
Baker, E. D., salary.....	\$ 496 72	
Repairing Washington Street houses.....		\$ 261 19
Atkins, A. G.....	\$ 37 67	
Morse, F. S.....	108 90	
Penobscot Lumber Co.....	12 80	
Ward, John M.....	74 75	
Woodman, C. Co.....	27 07	
Bower Street school, walk to pump.....		\$ 115 87
Highway Dept.....	\$ 115 87	
Pickering Square watering trough.....		\$ 111 93
Bangor Granite Co.....	50 00	
Highway Dept.....	61 93	
Steel cabinets.....		\$ 522 50
General Fire Proofing Co., engineer's office steel cabinets.....	\$ 522 50	
Street openings.....		\$ 22 50
Pay roll.....	\$ 22 50	

UNCLASSIFIED—Continued

All other.....		\$1,474 77
American Express Co., express.....	\$ 15 25	
Bangor Band, moving chairs.....	2 00	
Bangor Pub. Co., advertising.....	58 03	
Bangor Rubber Stamp Co., rubber stamp.....	4 50	
Bass, J. P. Pub. Co., advertising.....	32 16	
Brown, W. I., express to Augusta on artesian well water.....	25	
Burpee, C. H., repairing clocks.....	3 25	
Burr, T. W. Adv. & Ptg. Co., printing brown tail moth notices and Auditor's report.....	277 63	
City Treasurer, Com. paid F. W. Frost and record- ing deed.....	241 91	
Derby, G. B. Co., trucking.....	10 90	
First National Bank, Boston, preparing bonds, etc.	290 00	
Glass, Chas. H. & Co., bills receivable, pages for Treasurer.....	15 13	
Hines, M. F., various work.....	58 85	
Kirstein, Louis & Sons, Com. for selling Gibbs house	52 50	
Lord Bros., bolted meal.....	18	
Maine Pomological Society, as per vote of City Council, Sep.....	100 00	
Mansur, W. E., examination and report on Larra- bee block.....	15 00	
Mason, John & Son, repairs on Mt. Pleasant hearse	19 00	
Matheson, W. D., use of auto.....	3 00	
Morse & Co., lumber.....	20 98	
Pay roll, transfer from Highway Dept.....	105 87	
Perkins, Fred W., recording deeds.....	14 50	
Ridley, F. C., Transfer Co., trucking.....	1 50	
Savage, T. R. & Co., supplies for unemployed.....	4 25	
Sullivan, Dan T.....	23 99	
Thoms, H. B., repairs on Mt. Pleasant hearse....	71 00	
Utterback, J. G. and Fire Committee, trip to Lewiston and Auburn.....	33 14	

UNCLASSIFIED—Continued

Discount on Serial Bonds

Discount on Serial bonds.....		\$2,810 00
Pierce, H. O., Treas.....		\$2,810 00

PUBLIC SERVICE ENTERPRISES

ELECTRIC DEPARTMENT

Maintenance and operation.....		\$32,183 30
Pay roll.....	\$15,639 28	
Less Rural Lights.....	603 36	
Local Work.....	76 13	679 49
	\$14,959 79	
Wire.....	1,592 88	
Dole Co., The.....	\$ 62 17	
Pendleton, C. E.....	15 00	
Pettingill-Andrews Co.....	1,151 84	
Roebing, John A. Sons.....	13 95	
Western Electric Co.....	412 07	
Less: Suburban.....	311 45	100 62
Wetmore-Savage Co.....	714 80	
Less: Suburban.....	465 50	249 30
Electricity purchased.....	\$1,255 34	
Bangor Ry. Electric Co.....	\$1,296 51	
Less: lighting B. & B. bridge.....	41 17	
Fuses.....	181 74	
Johns-Manville Co.....	\$ 98 05	
Pettingell-Andrews Co.....	83 69	
Transformers.....	\$ 347 85	
General Electric Co.....	\$ 240 39	
Pettingell-Andrews Co.....	90 00	
Westinghouse Electric & Mfg. Co.....	17 46	

Electric Department—Continued

Fuel.....					\$1,887 00
Bacon & Robinson Coal & Wood Co.....	\$	1 20			
Connor Coal & Wood Co., wood.....		10 00			
Hincks Coal Co., coal.....		371 90			
Woodman, J. F. & Co., coal.....		1,503 90			
Machinery.....					\$1,260 03
Ball Engine Co., bearing boxes.....	\$	215 80			
Condit Elec. Mfg. Co., 2 switch boards.....		88 29			
Garnwell Fire Alarm Co., metal batteries, etc.....		473 60			
General Electric Co., lightning arrestors, etc.....		267 34			
Wetmore-Savage Co., switchboard.....		215 00			
Lights and lamps.....					\$3,621 49
Bryan-Marsh Division.....	\$	8 90			
Dole Co., The.....		\$2,427 78			
Less: Suburban.....	\$	261 58			
City buildings.....		65 44	327 02	2,100 76	
General Electric Co.....		408 92			
Green, Jos. E. Co.....		27 00			
Pettingell-Andrews Co.....		236 01			
Ward, Drouet & Foster Inc.....		45 00			
Western Electric & Mfg. Co.....		46 90			
Wetmore-Savage Co.....		748 00			
Freight and cartage.....					\$ 243 05
Atlantic Express Co., express.....	\$	80			
American Express Co., express.....		19 34			
Derby, G. B. Co., trucking.....		138 60			
Eastern S. S. Corp., freight.....		32 72			
Maine Central R. R. Co., freight.....		51 59			
Cross arms and pin arms.....					\$ 750 65
Pettingell-Andrews Co.....		388 67			
Wetmore-Savage Co.....		361 98			

Electric Department—Continued

Insurance.....		\$ 263 13
Baker & Hodge.....	7 00	
Boyd, J. Herbert.....	81 12	
Bright, J. M.....	31 75	
Carter, E. H.....	27 50	
Gallagher, H. T.....	16 20	
Kirstein, Louis & Sons.....	13 56	
Lord, Henry & Co.....	13 50	
Palmer, W. W.....	25 00	
Pearl & Dennett Co.....	7 00	
Singleton, J. F.....	18 00	
Stewart, Chas. M.....	9 00	
Wilson, J. C.....	13 50	
Fire Alarm boxes.....		\$ 108 53
Merrimac Chemical Co.....	\$ 5 00	
Star Electric Co.....	103 53	
Miscellaneous repairs.....		\$2,254 50
Babb, C. H. & Co.....	\$ 16 00	
Barnes, J. I., filing saws.....	2 80	
Bicknell, R. N., refinishing const. fixtures.....	30 35	
Blethen, Dyer & Rounds.....	9 93	
Crosby, S. L. Co., 1 hub (front).....	60	
Cutter, L. W., various repairs.....	73 88	
Dole Co., The.....	23 39	
Dunning, R. B. & Co.....	32 00	
General Electric Co.....	155 33	
Getchell, A. W., sharpening drills.....	3 00	
Haynes & Chalmers Co.....	19 10	
Holtzer-Cabot Electric Co.....	28 51	
Lewis, H. R. & Co., smoke pipe for heater.....	4 45	
Maine Plumbing Co., plumbing repairs.....	104 21	
Mason, John & Sons, repairs on ladder, etc.....	5 00	
Morse & Co., repairs to flume and wagon.....	243 51	
Pfaff, Adolf, repairing time switch clock.....	1 50	
Penobscot Machinery Co., various repairs.....	1,096 52	

Electric Department—Continued

Rice & Miller Co., tools for repairs.....	9 40	
Strout, A. A., repairs to wagon.....	1 50	
Union Iron Works, repairs on engine, etc.....	289 36	
Ward, John M., mason repairs.....	52 51	
Welch, C. E., blacksmith work.....	44 00	
Weston Electrical Instrument Co., repairing 1 volt meter.....	7 65	
Horse shoeing and feed, etc.....		\$ 267 09
Brown & White Co., horse cover.....	3 50	
Cameron, Geo. F., straw.....	4 23	
Dwinal, C. Frank, veterinary.....	2 50	
Green, J. Frank, use of horses.....	5 50	
Hopkins, A. R. Co., feed.....	126 31	
Kane, Michael, use of horse and express.....	10 50	
Madden, M. J. Harness Co., harness repairs.....	13 40	
Moor, G. L. & Son, straw.....	1 18	
Pinkham, Ausba F., straw.....	1 01	
Spellman, J. F. & Sons, hay.....	54 78	
Weiler, Earle, hay.....	15 97	
Welch, C. E., horse shoeing.....	27 10	
Whitman, Henry F., straw.....	1 11	
Supplies.....		\$2,624 46
Acme Mfg. Co., fire door and steel.....	\$ 46 36	
Arnold, J. M. Shoe Co., men's boots.....	4 05	
Bragg, N. H. & Sons, various supplies.....	90 02	
Brown & White Co., brooms and sponge.....	4 25	
Cassidy, John Co., soap, gold dust, etc.....	17 32	
Chapin, Arthur Co., box Sal soda.....	85	
Condit Electrical Mfg. Co., Monson slate panel....	9 14	
Crosby, S. L. Co., oil and can.....	4 00	
Dickey, W. P. & Co., supplies.....	7 85	
Dillingham, E. F., office supplies.....	1 88	
Dole Co., The, supplies.....	144 84	
Dunning, R. B. & Co., supplies.....	71 05	
Eastern Cement Co., cement.....	41 82	

Electric Department—Continued

Essex Pharmacy Co., oil, etc.	40
Fire Dept., 2 sponges.	90
Fleming, J. F., soap.	5 75
Frank, F. L. & Co., oil.	36
Gamewell Fire Alarm Co., electrical supplies.	251 28
Getchell Bros., brick.	47 00
Gorham, W. H. & Co., flash light sheets, 1 film packed.	1 75
Haynes & Chalmers Co.	55 92
Howard Clock Co., clock oil.	2 00
Johns-Manville Co., batteries.	18 13
Keystone Lubricating Co., brass cups, etc.	117 65
Lane, J. N. V., supplies.	3 88
Lombard-Governor Co., oil, regulating valve, etc.	71 51
Madden, M. J., Harness Co., line safety belts.	7 50
Mathias Hart Co., electricians gloves.	10 59
Morse & Co., supplies.	37 70
National Carbon Co., connectors, etc.	27 25
Noyes & Nutter Mfg. Co., supplies.	2 12
O'Connor, C. G., wiping cloth.	28 56
Oken, Moses S., 100 Oken gas checks.	50 64
Pennsylvania Flexible Metallic Tubing Co., copper tubing, connectors, etc.	38 32
Pendleton, C. E., supplies.	52 34
Pettingell-Andrews Co., supplies.	577 20
Rice & Miller Co., oil, dryer, etc.	59 88
Robertson, Jas. L. & Son, planimeter.	12 00
Schwartz, M. Sons, hack saws, belting, etc.	136 83
Smith & West, clamps and knobs.	10 80
Snow & Nealley Co., Cant dogs, rope, etc.	13 91
Standard Oil Co., of N. Y., gasoline, oil.	93 63
Staples & Griffin, oil.	10
Stuart-Howland Co., wrenches and clamps.	9 06
Sullivan, Dan T., office supplies.	18 00
Supply Dept., matches, etc.	1 37
Sweet, C. Co., soap, petroleum ielly, etc.	12 16
Sweet, L. P., gasoline.	4 08

Electric Department—Continued

Union Iron Works, supplies	95 71
United States Graphite Co., grease.....	59 59
Vacuum Oil Co., oil and grease	75 67
Vose, P. H. & Co., supplies	3 75
Western Electric Co., flash lights, batteries, tape, etc.	65 95
Westinghouse Electric & Mfg. Co., scale meter, cutouts, etc.	272 49
Wetmore-Savage Co., supplies	366 49
Wheeler Reflector Co., insulator channel brackets ..	240 53
Winson, Alfred & Son, fire extinguisher	24 46
Wood & Bishop Co., bolts, pans, etc.	3 77
Woodman, C. Co., supplies	5 41
Woods, Chas. N. & Co., weiler fixtures	31 30
Young, Frank L. & Kimball, dynamo oil	167 61

\$3,636 73

Less: suburban and city buildings

1,021 27

\$2,624 46

All other

\$ 565 77

Bangor Co-Operative Printing Co., printing re- ports, blanks, letterheads, etc.	55 00
Bangor Gas Light Co., gas	4 77
Bangor Publishing Co., advertising	2 10
Bangor Windows & Sign Cleaning Co., cleaning...	2 25
Bass, J. P. Pub. Co., adv. wire proposals	1 50
Bryant, W. C., repairing clock	7 00
Caulfield, Geo. B., medical attendance	23 00
Cannon & Co., city directory	3 00
Columbia Towel Supply Co., towels	13 00
Earle, W. H. & Co., 1 burning brand	1 40
Eastern Maine Gen'l Hospital, surgical attendance	7 00
Eldridge, F. E. Co., cutting 2 ventilator holes	50
Gage Publishing Co., subscription to Electrical Record	2 00
Glass, C. H. & Co., 500 daily reports	9 75

Electric Department—Continued

Grady, John & Son, repairing sidewalk torn up . . .	22 95
Goode & Driscoll, meals for emergency crew	21 50
Hodgkins & Fiske Co., shades	3 05
Merrimac Chemical Co.	11 65
New England Tel. & Tel. Co.	218 35
Porter Parsons Co., laundry	8 00
Postal Telegraph Co., telegrams	2 60
Richardson, Geo. W., instruction books	3 50
Sanger, Dr. E. B., medical attendance	8 00
Smith, L. C. & Bros., typewriter repairs	8 90
Wade & Dunton Carriage Co., 1 one-horse express wagon	115 00
Williams, P. B., photo of illumination Exchange St..	10 00

Water Department:

Maintenance and construction		\$59,225 09
Works maintenance		\$11,805 98
Pay roll	\$5,507 09	
Arnold, J. M. Shoe Co., rubber boots	7 47	
Atkins Bros., repairs	121 53	
Bangor Broom Co., brooms	8 05	
Barnes, J. I., filing saws	1 80	
Berry & Smith, duck	6 50	
Bragg, N. H. & Sons	88 44	
Brown, W. I., Collector	70	
Caird, James M., pay roll	134 43	
Casey, Francis T., 122 sq. yds. concrete	109 80	
Cassidy, T. F. & Son	70	
Citizens Ice Co., ice	21 50	
Chapin, Arthur Co., washing powder	4 00	
Connor Coal & Wood Co., wood	4 00	
Dickey, W. P. & Co., lantern globes	1 50	
Dole Co., The, fuses, etc.	143 34	
Dunning, R. B. & Co., hardware	11 22	
Eastern Cement Co., cement	1 90	

Water Department—Continued

Eddy Valve Co.	20 30
Eldridge, Fred E. Co., paint.	9 70
Electric Dept., repairs.	52 16
Fairbanks Bros., labor.	2 30
Foley, Fred M. Co., 1 bbl. oil.	20 00
Garlock, The Packing Co., valves, etc.	34 62
Haynes & Chalmers Co., hardware.	30 15
Hincks, The Coal Co., coal, engineer's house.	22 50
Hincks Coal Co., The, coal.	872 64
Ingersoll-Sergeant Drill Co.	4 10
Keystone Lubricating Co., $\frac{1}{2}$ bbl. grease.	41 70
Lancaster, M. H.	5 80
Morse & Co.	8 35
Noyes & Nutter Mfg. Co., galv. pipe, etc.	21 75
Penobscot Machinery Co.	40 21
Reilly, R. J. Roofing Co., work on roof.	61 75
Rice & Miller Co., putty, glass, lead.	2 08
Schwartz, M. Sons, supplies.	163 92
Stickney & Babcock Coal Co., wood.	23 00
Union Iron Works, repairs on engine, etc.	2,807 12
Vacuum Oil Co., viscolite.	224 36
Ward, John M., labor.	8 90
Woodman, J. F. & Co., coal.	1,154 60

Street maintenance. \$13,993 25

American Express Co., express.	99
Atkins Bros. & Co., painting stand pipe.	25 41
Babb, C. H. & Co.	12 95
Bacon & Robinson Wood Co., wood.	7 75
Bangor Ice Co., ice.	6 85
Bangor Publishing Co., adv., water duc.	191 84
Barnes, J. I., filing saws.	1 40
Bass, J. P. Pub. Co., adv.	280 99
Bond, Harold L. Co., hose, pump, etc.	111 40
Bradbury, Chas. E., trucking.	32 15
Bragg, N. H. & Sons, hardware, etc.	82 15
Brown, W. I., Col., clerk hire, telegrams, express, etc.	1,348 14

Water Department—Continued

Builders Iron Foundry.....	39 90
Chadwick Lead Co., tin pipe.....	29 38
Chapin, Arthur Co., salt and oil.....	9 86
Clifford, Fred H., service on readers.....	11 00
Columbia Towel Supply Co., towels.....	4 80
Connor Coal & Wood Co., wood.....	11 00
Cort, Fred, charcoal.....	60 00
Darley, W. S. Co., wireless electric pipe locator...	63 70
Dickey, W. P. & Co., lanterns.....	13 00
Dole Co., The, flashlight, labor.....	1 85
Dunning, R. B. & Co., hardware, etc.....	90 51
Eastern Cement Co., cement.....	6 30
Eldridge, Fred E. Co., painting and other repairs...	129 45
Fairbanks Bros.....	24 11
Freeman, Dr. R. E., veterinary.....	3 00
Getchell Bros., brick.....	24 00
Grady, John, cast iron fittings.....	28 57
Grant, J. M.....	15 65
Gorham, W. H. & Co.....	4 25
Green, J. Frank, 2 loads gravel.....	4 00
Haynes & Chalmers Co., dynamite, exploders, etc..	82 08
Highway Dept., laborers.....	29 00
Hincks Coal Co., The, coal.....	63 63
Holyoke, R. H., spruce poles.....	9 00
Kellogg, Robert M., 1 bell sleeve.....	95 00
Lancaster, M. H., carpenter work.....	267 63
Lead Lined Iron Pipe Co., pipe, etc.....	181 23
Leighton, Leland & Grant, shoeing horses.....	23 35
Martins Bros., shades.....	6 50
Morse, F. S., labor.....	2 05
Morse & Co., lumber, etc.....	822 43
Mueller Mfg. Co., pipe cutter.....	300 00
National Lead Co., pipe.....	66 13
New England Tel. & Tel. Co.....	146 90
New York Continental Jewel Filtration Co., valves	40 50
Noyes & Nutter Mfg. Co.....	28 39
Pay Roll.....	6,883 23

Water Department—Continued

Pendleton, C. E., battery and flash light.....	2	40
Penobscot Machinery Co., tools and repairs.....	600	61
Peterson, C. H.....	2	03
Revere Rubber Co., 2 Edison diaphragms.....	4	12
Rice & Miller Co., files, etc.....	32	77
Ryan, Frank, harness repairs.....	16	40
Sampson, Geo. H. Co.....	9	30
Schwartz, M. Sons, hose pipes, wrenches, etc.....	34	64
Sinclair, M. A., board of horse.....	234	00
Smiley, W. P., care of standpipe.....	24	00
Smith, The A. P. Mfg. Co., sleeves.....	151	80
Smith, L. C. Bros. Typewriter Co., ribbon for type- writer.....		75
Smith & West, wire, batteries, etc.....	14	63
Snow & Nealley Co., floor brush, rope, etc.....	5	57
Stewart, Chas. M., flag for standpipe.....	15	00
Thoms, H. B., carriage repairs.....	82	60
Tupper, Frank H., difference in horses.....	75	00
Union Iron Works, service boxes, etc.....	407	27
Vose, P. H. Co., supplies.....	5	00
Walworth Mfg. Co., Newport S. & W. cocks, etc..	348	85
Ward, John M.....	30	65
Waterman, J. Co., rubber coats.....	16	00
Webster, F. S. Co., pencil carbon.....	10	28
Whipple, L.....	2	00
West Disinfecting Co.....	4	00
Wood & Bishop Co., acid.....		90
Wood, R. D. & Co.....	6	00
Woodman, J. F. & Co., coal.....	85	70
		\$13,945 67
Less: refund.....\$	92	
Highway Dept.....	11 50	12 42
		\$13,933 25

Water Department—Continued

Filter Maintenance.....	\$10,258 51
Bangor Ry. & Electric Co., electricity purchased..	125 00
Bragg, N. H. & Sons.....	2 56
Brown, W. I. Col., cash disbursed.....	158 68
Builders Iron Foundry.....	24 51
Caird, James M., pay roll and supplies.....	1,659 03
Chadwick Lead Co.....	10 00
Citizen's Ice Co., ice.....	31 60
Columbia Towel Supply Co., towels.....	8 25
Derby, G. B. Co., sand.....	5 00
Dunning, R. B. & Co., mop handles, garbage pails, etc.....	5 13
Eastern Cement Co., cement.....	13 30
Eastern Mfg. Co., bleaching powder, etc.....	19 57
Eimer & Amend.....	6 91
Eldridge, Fred E. Co., paint and other repairs.....	2 75
Electric Dept., repairs.....	5 92
Gorham, W. H. & Co.....	3 75
Haynes & Chalmers Co., hardware.....	21 97
Hopkins, A. R. Co., lime.....	220 00
Morse & Co., lumber.....	47 44
Noyes & Nutter Mfg. Co.....	1 55
Pennsylvania Salt Mfg. Co., sulphate alumina and lime.....	4,600 27
Rockland-Rockport Lime Co., lime.....	4 50
Schwartz, M. Sons.....	7 37
Sweet, C. Co., extract of beef.....	9 00
Sonneborn, L. & Sons Co.....	2 50
Volkhardt & Co., Inc.....	1 20
Ward, John M.....	1 99
Whitman, Henry F.....	3 43
Woodman, C. Co., lumber.....	105 21
Woodman, J. F. & Co., coal.....	13 79
Pay roll.....	3,130 33
New Machinery.....	\$5,399 00
Platt Iron Works Co.....	5,399 00

Water Department—Continued

Salaries—Superintendent and Collector.....		\$2,815 74
Insurance.....		599 60
Byrnes, P. J.....	\$ 101 36	
Baker & Hodge.....	66 88	
Boyd, J. Herbert.....	34 50	
Fidelity & Casualty Co.....	131 00	
Kirstein, Louis & Sons.....	66 88	
Lord, Henry & Co.....	18 90	
Palmer, W. W.....	66 88	
Singleton, J. F. Co.....	113 20	
Damage.....		\$1,200 00
Curran, Francis M., Garland St., pipe burst.....	400 00	
Doherty, Mary J., pipe burst.....	250 00	
Hickson, Thomas F., pipe burst.....	50 00	
Riley, Leonora and Alice T. Greeley, Garland St., pipe burst.....	500 00	
Filter Construction.....		\$1,312 86
Brown, W. I. Co., cash disbursed.....	1 31	
Caird, James, pay roll and expenses.....	79 95	
General Electric Co., motor, rheostat, etc.....	1,231 60	
Dams and Piers.....		\$1,934 37
Barnes, J. I.....	\$ 2 40	
Bragg, N. H. & Sons, rod cut and pointed.....	24 92	
Comstock, G. C.....	50	
Eastern Mfg. Co., spruce logs.....	11 25	
Haynes & Chalmers Co., exploders, etc.....	19 50	
Jones, Henry, stone.....	27 00	
Morse & Co., lumber.....	633 82	
Pay roll.....	1,118 40	
Rice & Miller Co., gasoline and dynamite.....	14 08	
Smart, H. D.....	32 50	
Sullivan, Thos. E., custodian fishway.....	50 00	

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Water Department—Continued

Office.....		\$1,351 44
Addressograph Co., type, pads, etc.....	3 13	
Atkins Bros. & Co., painting office.....	116 63	
Baker-Vawter Co., book binders, etc.....	7 09	
Bangor Co-Operative Ptg. Co., printing.....	8 75	
Bangor Gas Light Co.....	6 25	
Brown, W. I., Col., cash disbursed.....	131 30	
Burroughs Adding Machine Co., stand for machine and repairs.....	12 25	
Burr, T. W. Ptg. & Adv. Co., supplies and printing.....	149 15	
Cannon & Co., 2 city directories.....	6 00	
Chandler & Co., furniture and repairs.....	81 75	
Dillingham, E. F., office supplies.....	16 75	
Dole Co., The.....	6 45	
Donham, G. M., State Register.....	2 00	
Glass, Chas. H. & Co., printing.....	33 75	
Hodgkins & Fiske Co., linoleum and curtains, cur- tain rods, etc.....	153 46	
Hogan & Callan, umbrella rack and G. O. costumer.....	10 50	
Jones, L. E., Royal typewriter.....	41 00	
Joy, Ira H., cards.....	11 75	
Lancaster, M. H., carpenter work.....	13 25	
Library Bureau, typewriter desk.....	51 00	
Lynch, M. & Co., safe and repairs to vault, etc....	347 40	
Morse & Co., lumber.....	42 99	
Palmer, W. W., steel boxes and shelves for vault....	75 00	
Sullivan, Dan T., office supplies.....	14 50	
Western Union Telegraph Co., rent of clock.....	9 34	
Flume.....		\$ 663 19
Pay roll.....	40 00	
Smart, H. D., carpenter work.....	179 75	
Woodman, J. F. & Co., coal.....	443 44	
Meter.....		\$ 189 68
Brown, W. I., Col., cash disbursed.....	1 27	
Eldridge, Fred E. Co., glass.....	15	

Water Department—Continued

National Meter Co., meter, etc.	108 26
Thompson Meter Co., meter, etc.	80 00

Street Construction.		\$7,761 47
Bacon & Robinson Wood Co., wood.	8 00	
Chadwick Boston Lead Co., lead and wool.	101 17	
Chapin, Arthur Co., kerosene oil.	26 36	
Dunning, R. B. & Co., pipe.	211 67	
Eddy Valve Co., valves.	530 08	
Maine Central R. R. Co., freight on pipe.	293 32	
Morse & Co., lumber.	15 70	
National Lead Co., lead.	172 46	
Pay roll.	5,064 49	
Penobscot Machinery Co.	27 00	
Rice & Miller Co.	18 51	
Sampson, Geo. H. Co.	8 63	
Smith, The A. P. Mfg. Co., sleeves and valve.	154 00	
Standard Cast Iron Pipe & Foundry Co., pipe, tees, and reducers.	1,064 11	
Tragle Cordage Co. Inc.	17 36	
Woodman, J. F. & Co., coal.	48 61	

CEMETERIES:

Maintenance—Labor and teaming.		\$ 904 10
Maple Grove.		\$ 435 33
Bryant, W. H., labor.	\$ 385 50	
Dickey, W. P. & Co., lawn mower, nails, lead, etc.	44 53	
Dunning, R. B. & Co., grass seed.	5 30	
Pine Grove.		\$ 32 23
Allen, E. H., labor.	\$ 13 50	
Chick, Wm. F., seed, fertilizer.	18 38	
Dickey, Wm. P. & Co., padlock.	35	

Cemeteries—Continued

Oak Grove.....		\$ 46 14
Dickey, W. P. & Co., moth cutter.....	1 00	
Eveleth, Ralph C., labor.....	45 14	
Mount Hope Public Grounds.....		\$ 385 40
Acme Mfg. Co., pipe.....	\$ 126 35	
Hathorn, R. E., labor.....	245 05	
Sekenger, Adam, flowering shrubs.....	14 00	
Copying burial records.....		\$ 5 00
Hathorn, R. E.....	\$ 5 00	
Superintendents of burials.....		\$ 469 32
Mount Hope.....		\$ 281 57
Pay roll.....	\$ 281 57	
Mount Pleasant.....		\$ 187 75
Pay roll.....	\$ 187 75	

INTEREST:

On temporary loans.....		\$8,825 04
Interest.....		\$8,825 04
Bangor Savings Bank.....	\$ 100 00	
Eastern Trust & Banking Co.....	7,527 05	
Engel, Wm. & Co.....	375 00	
Kenduskeag Trust Co.....	100 00	
Merchants' National Bank, Bangor.....	150 00	
Merrill Trust Co.....	347 99	
Second National Bank, Bangor.....	225 00	
On Municipal Bonds.....		\$26,020 00
\$50,000.00 Interest due 2nd May and Nov.....		\$1,800 00
City Treasurer.....	\$ 900 00	
Merchants' National Bank.....	560 00	
Penobscot Savings Bank.....	340 00	

Interest—Continued

\$100,000.00 Interest due 1st May and Nov.....		\$4,000 00
City Treasurer.....	\$2,000 00	
Merchants National Bank.....	2,000 00	
\$125,000.00 Interest due 1st Feb. and Aug.....		\$6,420 00
City Treasurer.....	\$3,940 00	
Merchants National Bank.....	1,480 00	
Penobscot Savings Bank.....	1,000 00	
\$250,000.00 Interest due 1st Feb. and Aug.....		\$13,800 00
City Treasurer.....	\$8,560 00	
Merchants National Bank.....	4,040 00	
Penobscot Savings Bank.....	1,200 00	
On Trust Funds used with arrear.....		\$11,423 61
Bangor Fuel Society.....		\$ 200 00
Bangor Fuel Society.....	200 00	
Bangor Mechanic Association.....		\$ 720 00
Bangor Mechanic Association.....	\$ 720 00	
Bangor Children's Home.....		\$2,400 00
Bangor Children's Home.....	\$2,400 00	
Firemen's Relief Fund.....		\$ 591 00
Coleman, Geo., 7 weeks.....	\$49 00	
Collins, John, 19 weeks.....	133 00	
Crowley, M. J., 4 weeks.....	28 00	
Curran, D. F., 3 weeks.....	21 00	
Darling, Geo. M., 12 days.....	12 00	
Flanagan, J., 25 weeks.....	25 00	
Glynn, Michael J., 19 weeks and as Sec. of the Relief.....	158 00	
Granville, J. Frank, 7 weeks.....	49 00	
Hutchins, Geo., 1 week.....	7 00	
LeBarrows, Eugene, 10 days.....	10 00	
Libby, W. J., 7 days.....	7 00	

Interest—Continued

Mason, Frank T., 2 weeks	14 00	
Mason, H. N., 24 days	24 00	
McGuighan, Peter, 20 days	20 00	
Pierce, Wm. T., 20 days	20 00	
Varley, A. W., 14 days	14 00	
French Medal Fund		\$ 142 50
Hutchins, I. M	142 50	
Holton Medal Fund		\$ 636 11
Allyn & Bacon, books for high school library	\$ 31 60	
American Book Co., same	6 08	
Appleton, D. & Co., same	4 31	
Babb, Edward E. & Co., same	52 72	
Bobbs-Merrill Co., same	4 37	
Cannon & Co., same	3 00	
Century Co., The, same	42 18	
Dillingham, E. F., same	64 80	
Donham, G. M., same	4 00	
Educational Society, The, same	78 30	
Harper & Bros., same	66 86	
Heath, D. C. & Co., same	8 12	
Hinckley, R. H. Co., same	106 80	
Houghton-Mifflin Co., same	56 45	
Library of Congress, same	8 88	
Little, Brown & Co., same	1 86	
MacMillan Co., The, same	39 39	
Manual Arts Press, same	15 44	
Marshall Jones Co., same	14 50	
Putnam, C. P. Sons, same	17 10	
Scribner, Chas. Sons, same	6 85	
Sprague Journal of Maine, same	2 50	
Home for Aged Women		\$1,500 00
Merrill, A. J., Treas	\$1,500 00	

Interest—Continued

Hersey Fund		\$4,000 00
Rich, E. F.	\$4,000 00	
Stetson Fund		\$ 684 00
Johnson, Mrs. Jennie, salary	\$ 450 00	
Same, Dist.	234 00	684 00
Wakefield Fund		\$ 550 00
Merrill, A. J., Treas.	\$ 550 00	
On Water Bonds		\$21,910 00
\$500,000.00 Interest Due 1st Jan. and July		\$20,110 00
City Treasurer	\$18,900 00	
Eastern Trust & Banking Co.	30 00	
Merchant's National Bank, Boston	1,180 00	
\$70,000.00 Interest due Feb. and Aug.		\$1,800 00
Bangor Savings Bank	\$ 400 00	
City Treasurer	400 00	
Merchant's National Bank, Boston	700 00	
Penobscot Savings Bank	300 00	

MUNICIPAL INDEBTEDNESS:

Municipal Serial Bond Requirements		\$5,000 00
\$50,000.00 Loan due Nov. 2nd		\$5,000 00
Merchant's National Bank, Boston	\$5,000 00	
Water Serial Bond Requirements		\$10,000 00
\$70,000.00 Loan due Aug. 1st		\$10,000 00
City Treasurer	\$10,000 00	

SINKING FUNDS:

Water Loan annual appropriation		\$12,000 00
Pierce, Henry O., Treas.	\$12,000 00	

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Sinking Funds—Continued

Water Department, balance 1913-14.....		\$11,146 93
Pierce, Henry O., Treas.....	\$11,146 93	
Total revenue expenditures.....		\$649,033 70

NON-REVENUE EXPENDITURES**GENERAL GOVERNMENT:**

City Hall fire escape.....		\$ 2 33
Bangor Publishing Co., advertising.....	\$ 2 33	

PROTECTION OF PERSONS AND PROPERTY:**Police Department:**

Auto Patrol.....		\$3,080 00
Bangor Motor Co.....	\$3,080 00	

Fire Department:

Auto.....		\$5,390 00
Freight on fire auto.....	\$ 65 85	
Maine Central R. R. Co.....	\$ 65 85	
Fire auto truck.....		\$5,324 15
Seagrave Co., The.....	\$5,324 15	

HEALTH AND SANITATION:**Sanitation:**

Sewer Construction.....		\$3,411 34
Wages.....	\$1,877 04	
Sewer Pipe.....	1,039 42	
Dunning, R. B. & Co.....	\$1,039 42	

Health and Sanitation—Continued

Other Material		\$ 376 63
Eastern Cement Co., cement	\$ 14 10	
Getchell Bros., brick	152 25	
Penobscot Machinery Co., catch basin tops, cesspool tops, etc.	73 50	
Sewer Dept., transfer material	136 78	
Teams		\$ 97 00
Hughes, Murtagh	\$ 97 00	
All other		\$ 21 25
Maine Central R. R. Co., freight	\$ 5 00	
McNeil, R. D., sharpening picks	16 25	
Catch Basin construction		\$1,654 75
Wages		\$ 852 14
Material		789 86
Dunning, R. B. & Co., pipe, etc.	\$ 127 14	
Bangor Brick Co., brick	19 55	
Eastern Cement Co., cement	162 93	
Getchell Bros., brick	229 75	
Hughes, M., sand	41 85	
Merrimac Foundry Co., catch basin, manholes, etc.	32 00	
Penobscot Machinery Co., catch basins, cesspool tops, etc.	176 64	
Teams		\$ 12 75
Hughes, Murtagh	\$ 12 75	

HIGHWAYS AND BRIDGES:**Highways:**

Reconstruction general		\$4,198 48
Retaining wall		\$ 830 80
McKinnon, Pope D.	\$ 621 00	
Pay roll	209 80	

Highways—Continued

Culverts		\$ 392 25
Acme Mfg. Co., Colonial culvert and pipes.....	\$ 240 00	
Dunning, R. B. & Co., cement.....	1 58	
Morse & Co., lumber.....	48 22	
Sterns Lumber Co., lumber.....	12 27	
Wheeling Corrugating Co., culvert pipe.....	90 18	
Streets		\$2,322 93
Bangor Granite Co., cross walk.....	\$ 49 50	
Burke, Luke, crosswalks.....	549 50	
Hughes, Murtagh, sand and gravel.....	47 33	
Murray, Thomas J., crosswalks.....	321 88	
Pay roll.....	1,354 72	
Land damages		\$650 00
Kane, Hannah.....	650 00	
Other		\$ 2 50
Union Iron Works, double team moving paving blocks.....	\$ 2 50	
Construction State Road		\$4,126 90
Pay roll.....	\$ 465 91	
Telephone.....	\$ 2 80	
New England Tel. & Tel. Co.....	\$ 2 80	
Advertising		\$ 20 75
Evening Express Publishing Co.....	\$ 12 25	
Bangor Publishing Co.....	8 50	
State Aid Highways		\$3,632 44
State of Maine.....	\$3,632 44	
All other		\$ 5 00
Matheson, W. D., use of auto.....	\$ 5 00	

Highways—Continued

Construction sidewalks and curbing.....		\$17,648 50
Sidewalks and curbing.....	\$17,353 27	
Bacon & Robinson Wood Co., wood.....	\$ 3 75	
Bangor Granite Co., granite.....	86 07	
Barrett Mfg. Co., tar rock and coal tar.....	757 49	
Blaisdell, T. M., curbing.....	737 04	
Bass, J. P., gravel.....	38 35	
Bass, J. P. Pub. Co., advertising.....	3 50	
Brooks Brick Co., brick.....	90 00	
Burke, Luke, contract work.....	2,035 32	
Casey, Francis T., contract work.....	189 00	
Dickey, W. P. & Co., sidewalk in front store.....	62 50	
Eastern cement Co., cement.....	4 28	
Eastern S. S. Corp., freight on tar barrels.....	7 95	
Eveleth, Ralph C., gravel.....	2 40	
Foster, Chas. M., contract work.....	1,105 90	
Getchell Bros., brick.....	80 00	
Grady, John & Sons, contract work.....	748 77	
Haynes & Chalmers Co., picks, etc.....	19 19	
Independent Coal Tar Co., sidewalk composition.....	43 06	
Laffey, John J., contract work.....	3,387 82	
Lewis, H. R. & Co.....	50	
Maine Central R. R. Co., freight.....	5 41	
Morse & Co., lumber.....	280 88	
Murray, Thomas J., contract work.....	3,095 15	
Pay roll.....	4,354 04	
Sanders, Nathan, const. sidewalk.....	124 76	
State Highway, transfer.....	2 59	
Standard Oil Co., of N. Y., asphalt.....	87 55	
Equipment.....		\$ 160 23
Independent Coal Tar Co., 1 hot roller.....	\$ 35 00	
Lewis, H. R. & Co., soldering handles to tar dippers.....	15	
Union Iron Works, 9 sand heaters.....	125 08	
Empty tar barrels.....		\$ 135 00
Foster, C. M.....	34 80	
Murray, Thomas.....	100 20	

SPRINKLING

Sprinkling equipment		\$2,625 00
Equipment	\$2,625 00	
Good Roads Machinery Co.	\$ 625 00	
Hughes, M.	2,000 00	

BRIDGES

Construction Bangor & Brewer Bridge		\$8,108 50
Canton Bridge Co.	\$8,108 50	

EDUCATION:

Newbury Street school note		\$12,500 00
Roman Catholic Bishop of Portland	\$12,500 00	
Purchase of Stewart property		\$1,500 00
Nealley, W. P., Agent	\$1,500 00	
High School Construction		\$13,728 49
Contracts for school building	\$12,780 18	
Peabody & Stearns	\$7,915 38	
Wiley & Calhoun	4,864 80	
Retaining wall		\$ 71 73
Pay roll	\$ 45 00	
Grant, J. N., labor	11 21	
Maine Plumbing Co., drain men	3 15	
Morse & Co., lumber	12 37	
Street opening		75 83
Johns-Manville Co., permit to open street	75 83	
Engineering		535 76
Kimball, R. D. Co.	535 76	

Education—Continued

Furniture.....		4 40
Van Dorn Iron Works.....	4 40	
Grading grounds.....		149 19
Casey, Francis T.....	149 19	
Heating plant.....		111 40
Ward, John M., labor and material.....	111 40	

RECREATION:**Parks and Gardens:**

Additions and Improvements.....		\$ 654 95
Trees.....		\$ 431 95
Ellis, Wm. B., dressing for setting out trees.....	\$ 30 00	
McCabe, E. T. & Co., trees.....	182 85	
McCabe, John C., trees.....	\$ 305 10	
Less: money by subscription for		
trees.....	151 00	
		154 10
Pay roll, setting out trees.....	65 00	
Plants, shrubs, etc.....		223 00
Fish, Chas. R. Co., flowers.....	50 00	
McCabe, E. T. & Co., shrubs.....	173 00	
Purchase of "Little City Park" lots.....		\$5,250 00
Kirstein, Louis & Sons.....	\$5,250 00	

PUBLIC SERVICE ENTERPRISES:

Electric Department:

Construction, rural districts.....		\$2,500 00
Pay roll.....	603 36	
Material.....	\$1,896 64	
Bangor Ry. & Electric Co., freight on poles.....	\$ 14 00	
Bicknell, R. N., relief for loading poles at Costigan.....	7 00	
American Electric Works, 3 miles insulated wire... ..	276 05	
Electric Dept., wire, insulators, brackets, etc.	1,001 29	
Maine Central R. R. Co., freight on poles.....	23 80	
New England Tel. & Tel. Co., 218 poles.....	109 00	
Wetmore-Savage Co., 7 miles bare wire.....	465 50	
New switchboard and freight.....		\$1,151 45
General Electric Co.....	\$1,151 45	
Total non-revenue expenditures.....		\$87,530 69

ESTIMATED REVENUE

TAXES:

Railroad and Telegraph Tax.....	\$40,695 35
State of Maine.....	\$40,695 35

LICENSES AND PERMITS

Sundry licenses.....	\$ 938 67
Theatres.....	\$ 265 17
Employment.....	225 00
Circuses.....	95 00
Peddlers.....	58 00
Billiards and Pool.....	100 00
Auction.....	12 00
Gasolene.....	23 00
Fireworks.....	19 00
Plumbers.....	186 50
Street opening permits.....	\$ 419 30

GRANTS AND GIFTS

Grants from the State:

Schools.....	\$57,909 47
Support of Public Schools.....	\$33,122 54
Aid to Industrial Schools.....	1,800 00
Aid to Free High School.....	500 00
Union Superintendency.....	800 00
School and Mill Tax.....	21,686 93
Armory.....	\$ 200 00
Dog Licenses.....	609 32
Libraries.....	1,000 00

SPECIAL ASSESSMENTS

Street Sprinkling.....	\$4,999 14
Moth Extermination.....	171 25
Sewers.....	1,987 49
Assessments.....	\$1,982 49
Entrance Fees.....	5 00
Sidewalks and Curbing.....	\$4,697 65

PRIVILEGES

Public Service—wires and franchise.....	\$4,533 31
Bangor Railway & Electric Co., street franchise...	\$2,800 00
Bangor Railway & Electric Co., Bangor & Brewer bridge franchise.....	\$1,333 31
Bangor Railway & Electric Co., wires crossing bridge.....	\$ 80 00
New England Tel. & Tel. Co., wires.....	80 00
Bangor Gas Light Co., pipes crossing bridge.....	240 00 400 00

GENERAL GOVERNMENT

City Hall and Court Street building.....	\$3,918 22
Rent of hall.....	\$1,553 00
Rent of offices.....	1,042 22
Rent of part of Court Street building.....	200 00
Whitman, for scales C. Sweet corner stand.....	75 00
Rent of Gibbs House.....	28 00
Sale of fixtures.....	20 00
Municipal court.....	1,000 00

PROTECTION OF PERSONS AND PROPERTY

Police Department—court fees.....	\$7,240 51
Supreme Court fees.....	\$6,174 58
Municipal Court fees.....	1,065 93

PROTECTION OF PERSONS AND PROPERTY—Continued

Fire Department—sundries.....		\$ 561 51
Sale of manure.....	\$ 87 00	
Sale of supplies.....	4 00	
Sale of old material.....	44 01	
Sale of equipment.....	426 50	

HEALTH AND SANITATION

Health—fumigating.....	\$ 74 80
Sewers—sundries.....	269 97

HIGHWAYS AND BRIDGES

Highways—repairing and sundry accounts.....	\$15,177 06
City of Brewer, Bangor and Brewer bridge.....	\$11,442 60
Old junk.....	1 05
State of Maine.....	123 97
Sundry accounts.....	3,565 64
Empty barrels.....	43 80

CHARITIES

Almshouse, sale of products and sundries.....	\$1,365 22
Cream and milk.....	609 83
Hay and grain.....	336 70
Live stock.....	277 14
Sale of miscellaneous products.....	55 00
Old equipment.....	6 00
Sundries.....	80 55
Reimbursements from individuals, cities, towns and state.....	\$7,864 29
Individuals.....	\$ 714 54
Cities and towns.....	1,690 73
State.....	5,459 02

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CITY OF BANGOR

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SOLDIERS' BENEFITS

Reimbursements of State pensions	\$5,163 00
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EDUCATION

Tuition and sale of text books	\$3,782 80
Tuition	\$2,184 20
Sale of text books	98 60
Sale of heat	1,500 00
Rent of Assembly Hall	\$ 29 00

PUBLIC SERVICE ENTERPRISES

Electric Department, sundry	\$ 82 72
Sale of junk	\$ 35 65
Sale of supplies	37 07
Sale of equipment, pung	10 00
Water Department	\$94,376 13
Water	\$91,700 00
Furnished Charitable Institutions	2,297 00
Sale of old junk	379 13

CEMETERIES

Sale of lots	\$ 323 50
Mount Hope	\$ 140 00
Maple Grove	55 00
Pine Grove	55 00
Hay at Mount Hope	48 50
Hay at Pine Grove	25 00

INTEREST

Interest on deposits and taxes		\$3,041 70
On deposits in banks	\$1,790 94	
On taxes	949 51	
Sewer assessments	49 15	
Tax titles	252 10	

OTHER REVENUE

Police Department, sundry receipts		\$ 327 66
Buttons	\$ 14 14	
Use of patrol	60 50	
Junk, etc.	18 02	
Received for rides in patrol	235 00	
Unclassified		\$ 321 60
Telephone	\$ 138 11	
Weighing	8 74	
Old junk on post office site	5 00	
Sheep killed by dogs	142 50	
Sundry	27 25	
Total estimated revenue		\$262,125 64

SPECIAL TRUST FUNDS**Civic Improvement Fund**

Fund		\$1,690 14
Balance from old ledger	\$1,654 54	
Interest	28 94	
Transferred from unclassified	6 66	

Civic Improvement Fund—Continued

Disbursements.....		\$1,690 14
Post Office site.....	\$1,382 08	
Boardman, H. I., investigating retaining wall.....	\$ 2 65	
Morse & Co., lumber.....	120 68	
Pay Roll.....	1,128 65	
Rice & Miller Co., shovels and wheelbarrows.....	30 00	
Sawyer, W. F. & Co., pointing up wall at old Post office site.....	100 00	
Grading Library lot.....	\$ 296 00	
Casey, Francis T.....	296 00	
Abbott Square.....	12 06	
Pay roll.....	\$ 12 06	

Permanent Improvement Fund

Fund		\$3,297 46
Balance from old ledger.....	\$3,184 84	
Interest.....	29 72	
Transferred to Civic Improvement Fund.....	82 90	
Disbursements.....		\$3,297 46
Abbott Square.....	\$3,297 46	
New trees fund.....		\$151 00
Disbursements Transferred to Park Department...	\$ 151 00	
Currier Estate fund.....		15,607 04
Disbursements Transferred to Public Library.....	\$15,607 04	

OVERLAYINGS, 1914-15

Allowance as per budget.....	\$24,716 51	
Less: abatements allowed.....	12,726 55	
Balance.....		\$11,989 96

CITY AUDITOR'S REPORT

SUPPLEMENTARY TAXES UNAPPROPRIATED

Amount subsequently assessed.....	\$2,961 79	
Transferred to surplus revenue assets.....		<u>\$2,961 79</u>

STATE AND COUNTY TAX

State Tax	\$109,013 06	
County Tax.....	23,483 56	<u></u>
Total state and county tax.....	\$132,496 62	

**REPORT FOLLOWING AN EXAMINATION OF THE
BOOKS AND RECORDS OF**

The City of Bangor, Maine

For the Year Ended February 28, 1915

**COOLEY & MARVIN CO.
BOSTON, MASS.**

Report of Cooley & Marvin Co.

March 27, 1915.

*To the Honorable, the Mayor and Finance Committee of the City
Council of the City of Bangor,
Bangor, Maine:*

SIRS:—

Pursuant to the provisions of Section 13 of Chapter 2 of the Revised Ordinances we were instructed by the Finance Committee of the City Council of 1914-15 to make an examination and audit of the books and records of the City of Bangor in the offices of the City Auditor and City Treasurer, for the municipal year ended February 28, 1915. Inasmuch as we had been engaged during the year ended at that date in the installation and supervision of modern accounting methods in those offices in accordance with an order passed by the City Council on March 20, 1914, authorizing the Mayor to secure such service, we were authorized by the former Finance Committee to make our examinations each month in order to obtain for the City the advantages of current supervision of the new records, as well as to conform with the provisions of the ordinances requiring that the Finance Committee shall cause an examination of the accounts of the City to be made at the end of each municipal year or oftener if in their discretion it should be deemed advisable.

Following our examination we submit herewith four exhibits and five schedules setting forth the results of the operations of the fiscal year ended February 28, 1915, and the financial condition of the City as at that date. We also submit hereinafter

detailed comments and explanation of the various items appearing on the several exhibits. Special attention is here directed, however, to various points of first importance to all those interested in the welfare of the City.

While the operations of the year 1914-15 have resulted in a revenue deficit of \$58,809.77, it should be remembered that there has been charged to the appropriations of that year the expenses of thirteen months. This is due to the fact that the expenses of February, 1914, were not paid until March, 1914, and, in accordance with the methods then pursued, were charged to the operations of the year 1914-15 while, according to the new methods which provide that the operations of each fiscal year shall be charged with the expenses applicable to that year, the expenses of February, 1915, were also charged to the appropriations of the year 1914-15. In addition to this extraordinary condition, the Finance Committee of that year included in its budget estimates, various items aggregating approximately \$50,000.00 which were brought forward from previous years. As a result of this general elimination of obligations incurred in the past, the present year starts with no obscure legacies. All items carried into the year 1915-16 are matters of record appearing on the balance sheets of the City and include such items as temporary loans, borrowings from the sinking fund, and final payment on the Newbury Street school property, all brought forward from the administration of the year 1913-14 and aggregating \$100,000.00, as well as the net payment on the Gibbs property and the loan made for the employment of unemployed men and teams, both aggregating \$17,900.00 and brought forward from the administration of the year 1914-15.

Because of the revenue deficit resulting from the operations of the year under review the surplus of general revenue assets

amounting to \$23,940.13 as at February 28, 1914, has been exhausted and a deficit in amount of \$33,397.16 appears as at February 28, 1915, thus indicating a shrinkage of general revenue assets of \$57,337.29 during the year. It was anticipated that the realization of assets on hand at the beginning of the year 1914-15 would provide for the payment of the temporary loans brought forward from the previous year, but that realization of the assets was, of necessity, absorbed by the deficit from the operations of the year. It is noteworthy, however, that while the loans were not paid because of the deficit, neither were they increased as the result of the operations of the year.

In view of the foregoing it will be seen that the current resources for the payment of the temporary loans, including the borrowings from the sinking fund, have been exhausted and provision for their future payment must be made either by taxation or by negotiating further loans. If not provided for by taxation and in the event of a deficit resulting from the operations of the year 1915-16 the loans will not only remain unpaid but will of necessity be increased before the end of the year. It is therefore important that a tax assessment be made at a rate sufficiently large not only to provide for all ordinary expenses of the year 1915-16 but also to provide for contingencies.

In order to relieve the financial situation of the City it is advisable that funds be provided for expenditures for objects of a purely permanent character by means of short term serial bond issues. It is gratifying to note in this connection that notwithstanding the extraordinary obligations provided for during the year 1914-15, the net bonded debt of the City has been reduced during the year in amount of \$30,513.99 and the borrowing capacity has increased from \$68,709.32 as at the be-

ginning of the year to \$106,884.30 as at the close of the year. By issuing short term serial bonds for permanent improvements therefore, and by providing for the payment of such items as the withdrawals from the Water Loan Sinking Fund and certain temporary loans through the annual appropriation budget, a considerable improvement would be made in the financial condition of the City without burdening the tax payers of one particular year.

Attention is again directed to the advisability of creating a board of sinking fund commissioners, no member of which should, as is customary in such commissions, be a member of the City Council. No provision is made for sinking funds for the municipal bonds not issued in serial form, and the past administration of the Water Loan Sinking Fund indicates the necessity for such a commission to properly invest and administer the cash now accumulated in that fund and as discussed later in this report. There should likewise be created a Board of Trustees of Trust Funds, with power to investigate fully the requirements of the trusts now held by the City, and to insure that in future all provisions of the trusts be properly executed.

While many old accounts have been collected or otherwise disposed of during the year, there remain numerous outstanding accounts receivable due the City for taxes, assessments or miscellaneous charges which, in view of the long periods through which they have remained unpaid, should be investigated and after vigorous efforts to effect settlements have been made those which are found to be uncollectible should be abated by order of the City Council.

During the year the establishment of modern accounting methods has resulted in distinct improvement in financial and administrative affairs through greater knowledge furnished by

the publication of balance sheets and a logical segregation of revenue and expenses and by a further detailed classification of accounts maintained in the office of the City Auditor which has been of great assistance to department heads. Comparison of these details from year to year will become increasingly valuable in the future, not only in the administration of affairs but particularly in the preparation of annual appropriation budgets. Details of all financial affairs are matters of permanent record in the office of the City Auditor, which is the principal accounting office of the City, and are available for inspection at any time.

In the foregoing we have indicated briefly certain matters of first importance in the consideration of the financial policy for the municipal year 1915-16 and we believe that a careful consideration of our detailed comments submitted hereinafter upon the financial affairs of the City will indicate the great necessity for the provision of ample funds for operations and the careful conservation of the assets of the City.

Respectfully submitted,

COOLEY & MARVIN CO.

A stylized, cursive handwritten signature in black ink, reading "A. A. Marvin".

Certified Public Accountant.

EXHIBIT A

Balance Sheet—General Revenue Account

This exhibit is not only intended to present a statement of the current assets and liabilities of the City, but, through an annual comparison of the surplus or deficit account, also shows, to a great extent, the results of operations in connection with revenue received and expenses incurred for current operation and maintenance purposes.

ASSETS

CASH IN OFFICE AND IN BANKS..... \$36,062.19

We have made an examination of the cash in office by actual count of cash on hand on March 9, 1915, and by accounting for all transactions between that date and February 28, 1915. After allowing for outstanding items, the amounts of cash in banks were reconciled with certificates of balances as furnished us by the various depositaries. As a result of our examinations we find that the balance of cash in banks shows a shortage in amount of \$19.00, while the amount of actual cash in office appeared to be in excess of the book balance in amount of \$15.23, thus indicating a shortage in the combined cash account amounting to \$3.77, as at the date of our examination, which is in addition to previous shortages carried as cash items, amounting to \$274.38, of which amount \$242.51 occurred prior to February 28, 1914, and was to have been reimbursed to the City. The presence of this shortage memorandum in the cash balance of

March 9, 1915, indicates that such reimbursement had not been made as at that date.

Included in the balance of cash in office there also appeared a check in amount of \$229.43, dated March 30, 1914, which was held in payment of 1913 taxes. This amount represents the balance remaining unpaid of a total of similar items aggregating \$7,016.49 which were included in the cash balance of March 31, 1914, as listed in detail on page 17 of our report dated August 5, 1914.

With the exceptions noted above the cash records in the office of the City treasurer appeared to be in excellent form and were in marked contrast to the inefficient methods which obtained a year ago. This improvement may be directly assigned to the adoption of modern methods which have been installed in that office in accordance with the suggestions outlined in our last report and which have been under our supervision at various times during the year under review.

ACCOUNTS RECEIVABLE:

Taxes	\$32,071.62
Special Assessments	359.07

During the last fiscal year we verified the outstanding items on all taxes uncollected as at February 28, 1914, for the years 1903 to 1913, inclusive. We have not attempted to verify the details of the outstanding items of those years which remained unpaid as at February 28, 1915. We have, however, examined in detail the unpaid items of the 1914 tax commitments as at February 28, 1915, and find the aggregate of open items to be in substantial agreement with the controlling records in the office of the City Auditor. Such adjustments as were necessary have either been made in the current year or reported in detail

to the City Auditor for further investigation and final adjustment.

During the year collections have been made in excess of \$13,000.00 on account of taxes prior to 1914 of the various years back to and prior to 1903 and abatements have been made aggregating \$26,067.49 for accounts which were found to be uncollectible, either through the results of the statements prepared under our direction or after investigations by the Deputy Collector. In addition to the foregoing there was also collected approximately \$7,000.00 which represents amounts that were not shown as outstanding taxes but for which checks were held in the cash balance pending final settlement of the accounts.

TAX TITLES—LESS RESERVE..... \$14,979.47

This item represents the amount of accounts receivable due for taxes on property the titles to which have been purchased by the City. The details of the amount are in agreement with the controlling records which are now maintained in the office of City Auditor and have been verified by an examination of the deeds on file in the Treasurer's office amounting to \$16,177.79 from which amount there has been deducted a reserve of \$1,198.32 for such items as may prove to be uncollectible.

It has been the practice to credit interest received on account of these holdings to the value of the tax title. We have arranged that all such interest received shall be credited to revenue, leaving the value of the tax titles at their original amounts as at the time of sales.

Certain items which appeared on the list of tax titles at March 1, 1914, but were not supported by deeds have subsequently been investigated with the result that the values represented have been included in the above asset and credited to the surplus of March 1, 1914. There are, however, certain

items appearing on the lists which appear to be of doubtful value and which should be investigated by the Collector of Taxes, in order that the sums may be charged off to the reserve, upon the approval of the City Council, should they be found to be uncollectible.

SEWER ACCOUNTS RECEIVABLE AND ASSESSMENTS	\$ 5,231.36
HIGHWAY ACCOUNTS RECEIVABLE AND ASSESSMENTS.....	6,112.27

The above amounts comprise numerous accounts which were compiled from various memorandum sources and set up in permanent form in detail in the office of City Treasurer subject to the proof of the controlling records maintained in the City Auditor's Office. The amounts outstanding as at February 28, 1915, aggregate \$39,342.50 but inasmuch as many of these accounts appear of doubtful value by reason of the fact that they cover charges back to the year 1869, reserves have been set up to cover uncollectible items in the amount of \$27,998.87, thus placing the estimated collectible value at \$11,343.63 for both classes of accounts.

Attention is again directed to the advisability of submitting these old accounts to the City Solicitor for his opinion as to the value of the various accounts, so that collection may be made of those items which are found to be collectible in accordance with the general laws of the State of Maine. Those which prove to be uncollectible should be submitted to the City Council for abatement and should be charged to the reserves provided for the purpose thereby eliminating such items from the assets of the City.

In connection with sewer assessments, the charges for which have been suspended till entry, we would suggest that no charge

be committed to the Treasurer for collection until application for such entry is made.

ACCOUNTS RECEIVABLE—CHARITIES.....	\$2,010.79
ACCOUNTS RECEIVABLE—MISCELLANEOUS.....	1,226.17

With the adoption of the new accounting methods all departments transmit their accounts receivable to the City Auditor for verification and record before commitment to the Treasurer for collection. In this manner all accounts are matters of permanent record and are subject to periodical proof by the City Auditor.

The above accounts fall under this class, as well as those of the Highway and Sewer Departments, the details of which have been found to be in agreement with the controlling records. All of the items outstanding in these groups appear to be of recent date with the exception of certain amounts due for rents, ornamental posts, and lamps, which are long past due but appear to be collectible.

STATE PENSIONS—ADVANCED FOR STATE.....	\$ 9.00
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All state pensions advanced during the year have been reimbursed by the State with the exception of the one item appearing on the balance sheet in the above amount.

SPECIAL FUND FOR UNEMPLOYED.....	\$10,000.00
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The above represents the amount which shall be provided from taxation in 1915 for the repayment of a loan authorized by the City Council, the proceeds of which were to be used to furnish employment on Highway operations, properly applicable to the municipal year 1915-16.

DEFICIT..... \$33,397.16

As discussed in detail later under the head of Exhibit C, the operations of the year have resulted in the exhaustion of the surplus of February 28, 1914, in amount of \$23,940.13, and the creation of a deficit in the above amount, resulting in a net shrinkage of general revenue assets of \$57,337.29 during the year under review.

Special attention is directed to the seriousness of this condition the principal cause for which arises from the operating deficit of the year as discussed later in connection with Exhibit D.

TREASURY WARRANTS UNPAID..... \$24,866.87

The unpaid treasury warrants aggregating the above amount represent the accounts of February 1915 only, the details of which as shown by the records of the City Treasurer were found to be in agreement with the records of the City Auditor. These amounts were charged against the appropriations of the fiscal year 1914-15 which results in there being included in the operations of that year the charges of thirteen months. This extraordinary condition was necessitated by the adoption of modern methods which provide that all obligations be included, so far as possible, in the operations of the year, in which they were incurred. While this resulted in an extra burden upon the operations of the year 1914-15, since the change has been effected future years will be charged only with the expenses of twelve months.

TEMPORARY LOAN—GENERAL..... \$60,000.00

The above amount is represented by one note bearing the date of February 8, 1915, discounted at the rate of 3.74% and due in nine months, on November 8, 1915. While this loan

was made to meet current expenses it, in effect, renewed a like amount which was carried forward from the previous year.

To quote from our previous report: "In preparing the annual budget for the fiscal year 1914-15 no provision was made for the payment of these notes as it is estimated that the amount of the notes would be provided for by the realization of the various assets of the City as at February 28, 1914. Neither the cash on hand or any amounts to be received by the City from accounts outstanding at that date were, therefore, included in the estimated revenue of the year 1914-15, as explained in the report of the Finance Committee dated June 24, 1914."

"The proportion of these notes which may be retired during the present fiscal year (1914-15), however, depends largely upon the volume of the cash collections during the year and more particularly upon the absolute and imperative necessity that the expenditures of the present fiscal year (1914-15) be held within the amounts of the annual appropriations."

The collections on account of back taxes which were made during the year for assessments of various years back to and prior to 1903 aggregated over \$13,000.00 which with a cash balance of over \$47,000.00 brought forward would, it will be seen, have alone provided for the payment of the loans anticipated, but because of the deficit from the operations of the year exceeding \$58,000.00 it was impossible to permanently retire these loans from that source.

In view of the foregoing, therefore, it should be understood that unless the payment of these loans is provided for by taxation in the annual budget of 1915, it will be necessary to negotiate further renewals or to retire them by means of permanent loans and, moreover, if either of these courses is not followed and the expenses of 1915-16 exceed the revenue of that

year to any appreciable extent, the amount of the loans will of necessity have to be increased.

TEMPORARY LOAN—SPECIAL HIGHWAY FUND..... \$10,000.00

This loan, which becomes due November 25, 1915, and was discounted at the rate of 3.60% was authorized by a resolve passed by the City Council on January 18, 1915, and was for the purpose of providing work for "unemployed men and teams" to haul and store gravel at convenient places in various sections of the City to be used during the fiscal year 1915-16. As stated in the foregoing, the payment of this loan is, therefore, to be provided for by taxation in 1915.

BORROWED FROM WATER LOAN SINKING FUND.....\$30,000.00

During the fiscal year 1913-14 an amount of \$25,000.00 was withdrawn from the Water Loan Sinking Fund and used for current purposes as discussed in detail in our previous report. During the last fiscal year, under date of March 16, 1914, a further amount of \$5,000.00 was withdrawn making an aggregate of withdrawals of \$30,000.00, as shown on the balance sheet.

As in the case of the temporary loans, in view of the present financial condition of the City, it will be necessary to provide for the repayment of these withdrawals either by including the amounts in the tax levy, or by negotiating outside loans.

We do not find that interest has been allowed the Sinking Fund upon these withdrawals. The arrears of interest as well as the interest due for the year 1915-16 should therefore be included in the 1915 appropriation budget.

OVERLAY—1914 TAXES..... \$11,986.96

The total overlays as provided by the Board of Assessors for 1914 taxes amounted to \$24,716.51 to which has been charged abatements in the amount of \$12,729.55 leaving the above

balance available as a reserve against the outstanding 1914 taxes which amounted to \$18,437.12 as at February 28, 1915. It would appear, therefore, that the balance of overlayings was ample to provide for further abatements.

RESERVE FOR FIRE DAMAGE—CITY HALL..... \$ 320.13

After making certain disbursements for repairs caused by a fire which occurred in the office of the City Missionary, the above represents the balance remaining from the funds received through insurance settlements. It is understood that there are further repairs to be made in the office of City Clerk and in the Committee Room, but unless such repairs are made this balance should be credited to the Deficit Account.

SPECIAL HIGHWAY FUND..... \$ 493.37

This amount represents the balance remaining of the fund created by the special loan of \$10,000.00 authorized by the City Council to provide employment for "unemployed men and teams." As stated in the foregoing this work is applicable to the operations of the year 1915-16 and is to be included in the budget of 1915 so as to be charged to the Highway expenditures of that year.

REVENUE APPROPRIATIONS RESERVED FOR OUTLAYS \$3,791.77

The following unexpended balances of non-revenue appropriations for improvements and additions have been brought forward to the present fiscal year:

City Hall Fire escape.....	\$ 697.67
Construction State Roads.....	3,094.10

As these amounts were provided for by taxation in 1914 it will not be necessary to make provision for these amounts in the 1915 budget.

EXHIBIT B

Balance Sheet—Non-Revenue Accounts

In this exhibit are segregated those accounts of a fixed character which do not directly reflect the results of maintenance operations.

Each of the various groups of accounts presented among the assets has a corresponding and balancing group among the liabilities, so that each class of items therefore represents, in effect, a separate balance sheet.

ASSETS

NON-REVENUE CASH..... \$ 2,100.00

There has been reserved from the general cash fund amounts received from the sale of the Gibbs Property in the above amount. This amount has been verified in the general examination of cash on hand in the Treasurer's office as detailed in the foregoing.

REVENUE FOR OUTLAYS..... \$ 3,791.77

The above amount has been reserved from 1914 revenue to provide for unexpended balances as shown in detail on Schedule 3.

DUE FROM REVENUE OF 1915..... \$20,000.00

In order to provide for the payment of notes given in payment of Newbury Street school property and the Gibbs property, it will be necessary to include the above amount in the budget of 1915.

	BALA
	Non-Revenue Accounts (Improvement)
	As at February 1, 1916
Non-revenue cash	\$ 2,100
Revenue for outlays	3,791
Due from Revenue of 1915:	
To be raised by Taxation 1915:	
Newbury Street School note	\$ 10,000 00
Gibbs property note	10,000 00
	<u>\$ 20,000</u>
European & North American Railway Co.:	
Bond from Maine Central R. R. Co.	1,660
Bonded Indebtedness:	
Sinking Funds:	
Water Loan Sinking Fund:	
Cash	\$ 32,914 45
Borrowed by City	30,000 00
Due from City, 1914-15 balance	3,241 04
	<u>\$ 66,155 49</u>
Net Bonded Debt:	
Balancing account	\$978,844 51
	<u>\$1,045,000</u>
Trust Funds:	
Cash and Securities:	
Cash	\$ 1,278 38
Fogg Fund	1,000 00
Cash used by City for general purposes (on	
which the City pays interest)	215,784 15
	<u>\$218,062</u>
City Property:	
Land, buildings, and equipment	2,992,530
Total	<u>\$4,283,144</u>

EUROPEAN & NORTH AMERICAN RY. Co. \$1,660 00

Under date of October 16, 1895, the Maine Central Railroad Co. gave to the City of Bangor a bond in the amount of \$5,000.00 as a guarantee against any future liability of the City in connection with one unredeemed bond and various outstanding coupons of the European & North American Ry. Co.

The liability of the City in this connection is shown at \$1,660.00 as detailed later in this report, therefore the book value of the bond of the Maine Central Railroad Co. is shown upon the records in that amount.

WATER LOAN SINKING FUND. \$66,155.49

During the year under review there has been paid into this sinking fund the balance due from the operations of the Water Department for the year 1913-14 in amount of \$11,146.93 which amount was provided out of the taxation of the year 1914. The balance from the operations of the department for the year 1914-15 amounting to \$3,241.04 has been provided for by a Treasury Warrant in February, 1915, which will be paid out of the balance of cash on hand held by the City as at February 28, 1915.

As stated in the foregoing, there has been withdrawn from the fund during the year an additional amount of \$5,000.00 which was used for the current purposes of the City, thus making a total of \$30,000.00 borrowed by the City.

There is already in the fund cash in amount of \$32,914.45 which has been deposited in bank and has been verified by a certificate from the depository. With the further deposit of cash, representing the operating balance of 1914-15, there will be in this fund cash in bank aggregating \$36,155.49 and we would again suggest the advisability of investing this fund in

City of Bangor Water Bonds, not only to obtain approximately double the rate of interest that is now allowed on the bank balance, but also to facilitate the retirement of the Water bonds at maturity.

In this connection we would again recommend the establishment of a sinking fund commission not only to administer the water loan sinking fund, but also to provide measures for the establishment of sinking funds for certain of the municipal bond issues. This matter was discussed in detail and a draft of an ordinance for the creation of such commission was submitted on pages 65 to 69 inclusive of our report of August 5, 1914.

NET BONDED DEBT \$978,844.51

The net bonded debt of the City shows a decrease in amount of \$30,513.99 as compared with the close of the previous fiscal year by reason of payments of maturing serial bonds aggregating \$15,000.00 and by an increase of the Water Loan Sinking Fund in amount of \$15,513.99 as the result of contributions and interest earned.

TRUST FUNDS—CASH AND SECURITIES \$ 2,278.38

There has been reserved from the general cash, a fund of cash in amount of \$1,278.38 to be used for the payment of arrears of interest on the several funds.

The Fogg Fund is invested in a \$1,000.00 bond of the Bangor and Aroostook R. R. 1st Mortgage 5's, due 1943. As stated in our previous report the coupons for six years had not been collected and were still attached to the bond. We find that this condition still exists and that at the time of our last examination the coupons of seven years, amounting to \$350.00, were still attached to the bond. Inasmuch as cash has been set aside to

cover these arrears of interest, the coupons should at once be detached and deposited to reimburse the general cash fund.

The foregoing represent the only specific investments of trust funds. Various special trust funds as noted on Schedule 5, have been disbursed during the year, both as to principal and interest, in accordance with the desires of the donors.

TRUST FUNDS—CASH USED BY THE CITY..... \$215,784.15

This item has remained unchanged during the year and represents the amount of cash used by the City for buildings or other general purposes and not invested in specific securities. The City is required to raise from taxation the amount necessary for interest payable annually to the beneficiaries of the trust funds that have been used by the City.

CITY PROPERTY..... \$2,992,530.69

At the date of our previous report a valuation of all of the City property was contemplated, pending the completion of which, in order to provide a record for the item, the valuation of the City property was placed at \$2,905,000.00 as shown by various reports. The expenditures for improvements or additions as shown in detail on Schedule 3 have amounted to \$87,530.69 in view of which the value of the City property is now placed at the above amount. This does not, however, include the additions which may have been made in the Water Department, owing to the fact that exact details in that connection are not available.

We would suggest that a valuation of the City property be made and compiled so that this account may be properly adjusted to conform with the true valuation of the City property.

RESERVE FOR 1915 REVENUE..... \$ 2,100.00

This amount, having been collected from the sale of the Gibbs property, is to be included in the estimated revenue of 1915-16 in order to offset the payment of the note, which was given in payment of the property and which becomes due in that year.

NOTES PAYABLE..... \$20,000.00

Two notes dated November 21, 1913, aggregating \$22,500.00 were given to the Roman Catholic Bishop of Portland in payment for the Newbury Street school property. One of these notes for \$12,500.00 which became due November 21, 1914, was provided for in the 1914 appropriation budget and was paid during that year, but the remaining note for \$10,000.00 which will become due November 21, 1915, must be provided for by taxation in 1915-16.

The retirement of a note given in payment of the Gibbs property in amount of \$10,000.00 due November 3, 1915, must also be provided for by taxation in 1915-16. As stated in the foregoing this latter amount is offset by revenue amounting to \$2,100.00 which has been reserved for that purpose.

EUROPEAN & NORTH AMERICAN RY. Co. \$ 1,660.00

The liability of the City under this head includes an amount of \$1,000.00 representing one unredeemed bond of the \$1,000,000.00 issue by the City of Bangor under date of July 24, 1869 in aid of the Company, and outstanding coupons aggregating \$660.00 pertaining to that issue of bonds, the details of which are discussed in our last published report.

As indicated in the foregoing the Maine Central Railroad Co. gave a bond to the City of Bangor under date of October 16,

1895, in amount of \$5,000.00 as a guarantee to the City against any future liability for the above bond and any or all of the coupons.

BONDED INDEBTEDNESS \$1,045,000.00

The total of outstanding bonded debt as shown in detail on Schedule 4 has been reduced during the year in amount of \$15,000.00 by the payment of \$5,000.00 on account of municipal bonds and \$10,000.00 on account of Water Bonds.

The constitutional debt limit of the City based upon 5% of the last regular valuation of \$24,179,397.00 would amount to \$1,208,969.85 as at February 28, 1915. The borrowing capacity as provided by Article XXII of the Constitution of the State of Maine would, therefore be determined in the following manner:

Amount of Constitutional Debt Limit \$1,208,969.85

Deduct:

Bonded Debt	\$1,045,000 00
Temporary notes, general . . .	60,000 00
Temporary notes, special	
highway fund	10,000 00
Borrowed from sinking fund .	30,000 00
Newbury St. School note . . .	10,000 00
Gibbs property note	10,000 00
Due water loan sinking fund .	3,241 04

\$1,168,241 04

Less:

Water Loan sinking fund . . .	66,155 49
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\$1,102,085 55

Constitutional borrowing capacity as at February 28, 1915

\$106,884 30

By a comparison of the results as at February 28, 1914, it will be seen that the amount of borrowing capacity has been increased in amount of \$38,174.48 during the fiscal year 1914-15. Should no further permanent loans be made during the present fiscal year the borrowing capacity should be increased in excess of \$50,000.00 as a result of the payment of \$20,000.00 on account of bonded debt, \$30,000.00 on account of various temporary notes and the balance due the Water Loan Sinking Fund from the Water Department operations.

The details of the various issues are shown in Schedule 4 and the nature of the several items was discussed on pages 75 and 76 of our report of August 5, 1914.

INTEREST ON TRUST FUNDS IN ARREARS..... \$ 738.38

The amount of interest on trust funds in arrears is shown in detail on Schedule 5. This amount has been set up on the balance sheet subject to the disposal of the several beneficiaries.

PUBLIC TRUST FUNDS \$217,324.15

There has been added to the total of public trust funds during the year under review an amount of \$540.00 representing the arrears of unpaid interest on the French Medal Fund which, according to the terms of the bequest, should be annually added to the principal of the fund.

The details of the several funds are shown on Schedule 5 and comments as to the creation, provisions, and status of the various funds will be found on pages 76 to 84 inclusive of our previous report. We would again direct attention to our recommendation in that report relative to "the importance of creating a board of trustees in order to provide a proper administration of these various trusts. An ordinance should be prepared for this purpose giving a board of trustees power to

handle these trusts, not alone in order to satisfactorily account for the income, but also to investigate the provisions of the bequests so as to determine whether the proper legal procedure has been followed in the past and in order to safeguard the interests of the City in future, by providing for the proper handling of both principal and income of trusts according to the terms of the testators. Further the board should be given power to provide that all trusts accepted by the City in the future shall be invested in proper securities, and to devise plans for the gradual investment of the present trust funds."

"It will readily be seen that as the amount of such uninvested trust funds increases so will the amount required to be paid by the City for interest increase, but if the trust funds are properly invested, the objects for which bequests are made will receive the benefit of the income without additional tax upon the citizens of Bangor. Otherwise, the uninvested funds are liens upon the property of the City and require that payments for interest be provided by taxation."

EXHIBIT C

Revenue Surplus and Deficit Account

As shown by this exhibit there appeared a surplus of revenue assets over liabilities amounting to \$23,940.13 as at the beginning of the fiscal year March 1, 1914, but at the close of the year, February 28, 1915, the surplus had been exhausted and a deficit amounting to \$33,397.16 appeared as the result of the transactions of the year. This shrinkage of \$57,337.29 in the net general revenue assets of the City was largely caused by the revenue deficit resulting from the operations of the year as discussed in detail later under the head of Exhibit D.

Attention was directed in our last report to the possibility for such a condition to occur and, while the deficit of the last year is in a great measure due to the fact that by reason of the changes in method the transactions of the year included the operations of thirteen months, we would again suggest that serious consideration be given this matter so that in the preparation of the annual budget for 1915 provision may be made for funds sufficient to provide for the current operations of the year and for contingencies as well as to develop a surplus at the end of the fiscal year. This should be possible, for the reason that all the liabilities incurred for operation and maintenance purposes during the year 1914-15 have been charged to the various appropriation accounts of that year so that the present fiscal year starts with no amounts brought forward to be charged against the 1915 budget that were properly chargeable against the appropriation of the prior year.

CITY OF BANGOR
Revenue Surplus and Deficit Account
For the Year Ended February 28, 1915

CREDITS

Balance-surplus March 1, 1914.....	\$ 23,940 13
Adjustment of dog licenses due the State and miscellaneous accounts receivable.....	152 00
Adjustment of tax titles held by the City...	617 52
Adjustment of Water Department accounts set up as at March 1, 1914, now reversed..	1,997 99
Adjusted balance	\$ 26,707 64

DEBITS

Arrears of interest on trust funds; paid, set aside or added to the principal of funds...	\$ 1,278 38
Bad accounts for moth and sprinkling assess- ments not provided by reserves—charged off.....	16 65
Revenue deficit from operation and main- tenance for the year ended February 28, 1915, as per Exhibit D.....	58,809 77
	60,104 80
Balance—deficit February 28, 1915.....	\$ 33,397 16

Exhibit D

CITY OF BANGOR
Revenue and Expense
For the Fiscal Year Ended February 28, 1915

REVENUE

Property and Poll taxes assessed.....	\$576,913 13
Less: amounts due State:	
State tax.....	\$109,013 06
County tax.....	23,483 56
	132,496 62
Total assessments for municipal purposes...	\$444,416 51
Less: overlaying reserve for abatements....	24,716 51
Net assessment available for all municipal purposes, as per budget	\$419,700 00
Supplementary taxes, year 1914.....	2,961 79
	\$422,661 79
Less: annual appropriation for outlay as per Budget (for improvements and additions).	\$101,455 00
Less: unexpended balances transferred to revenue	10,132 54
Net transfer as per Schedule 3.....	\$ 91,322 46
Amount available from assessments for operating and maintenance purposes.....	\$331,339 33
All other revenue earned as per Schedule 1.....	262,125 64
Total credits.....	\$593,464 97
Expense: departmental and other expenses as per Schedule 2	652,274 74
Excess of expense over revenue (deficit) to Exhibit C.....	\$ 58,809 77

EXHIBIT D

Revenue and Expense

The results of the operations of the municipal year 1914-15 are summarized in this statement, the final result of which shows an operating deficit of \$58,809.77 for the year. The operating deficit of the year 1913-14 as shown in our last report, amounted to \$125,459.53 so that the amount of the deficit of the fiscal year just completed is \$66,649.76 less than the deficit resulting from the operations of the previous year.

During the year, additional appropriations aggregating \$87,733.20 were voted by the City Council to be made from unappropriated balances. These additional appropriations were provided for to the extent of \$28,923.43 of which sum \$23,484.64 was provided by the excess of actual miscellaneous revenue received over the amount of revenue estimated in the preparation of the budget, supplementary tax assessments aggregating \$2,961.79, and the remainder amounting to \$2,477.00 was provided by unexpended appropriation balances. It will be seen therefore, that the amount of additional appropriations made by the City Council for which no revenue was derived amounted to \$58,809.77 and equals the operating deficit for the year is shown on this statement.

At the beginning of the municipal year 1914-15 it was estimated, in view of a surplus of over \$23,000.00, that the amount of cash on hand and collections would provide for the payment of the temporary loans aggregating \$60,000.00 which were carried forward from the previous fiscal year. It will be

seen therefore, that this would have been possible had it not been necessary to provide funds to meet the additional appropriations not provided for by the revenue of the year and which aggregated approximately that amount so that, of necessity, those notes have again been carried forward to the present fiscal year but without further increase in amount. With the development of a deficit, however, this resource has now been exhausted and it will therefore, be necessary to limit the expenses of the present year within the amount of anticipated revenue or it will become necessary to make additional loans at the end of the year.

It should be held in mind, that, as a result of the change in accounting methods the operations of the municipal year 1914-15 include the ordinary transactions of thirteen months as well as certain extraordinary items carried forward from previous years the existence of which was not known at the time of the preparation of the annual budget. In other words, the roll of accounts for February, 1914, was not paid or charged to the account of that month but was paid in March, 1914, and charged to the accounts of the year 1914-15, while the Treasury warrant or roll of accounts for February, 1915, was also charged to the operations of the year 1914-15 and set up as an account payable on the balance sheet, thus charging into the accounts of the year the obligations of thirteen months.

CASH RECEIPTS AND PAYMENTS

FOR THE

Fiscal Year Ended Feb. 28, 1915

1914

Mar. 1. Cash on Hand and in Banks..... \$ 47,331 77

RECEIPTS

Taxes:

Real and Personal for 1914.....	\$532,615 50
Poll for 1914.....	10,778 50
Real and Personal for 1913.....	6,515 64
Poll for 1913.....	2,092 03
Real and Personal for 1912.....	966 85
Poll for 1912.....	1,115 81
Real and Personal for 1911.....	312 46
Poll for 1911.....	552 18
Real and Personal for 1910.....	163 54
Poll for 1910.....	387 00
Real and Personal for 1909.....	77 00
Poll for 1909.....	294 75
Real and Personal for 1908.....	110 25
Poll for 1908.....	182 50
Real and Personal for 1907.....	5 32
Poll for 1907.....	139 73
Real and Personal for 1906.....	27 50
Poll for 1906.....	57 00
Real and Personal for 1905.....	7 00
Poll for 1905.....	63 00
Real and Personal for 1904.....	19 00
Poll for 1904.....	98 00

Amount carried forward..... \$556,580 56

Amounts brought forward	\$556,580 56	
Real and Personal for 1903	16 50	
Poll for 1903	60 50	
Taxes prior to 1903	87 88	
		\$556,745 44
Tax Titles Redeemed		6,342 00
From State:		
Railroad and Telegraph Tax		40,695 35
Licenses and Permits:		
Dog Licenses	870 00	
Theatre	265 17	
Employment offices	225 00	
Circuses	95 00	
Peddlers	58 00	
Billiards and Pool	100 00	
Auctioneers	12 00	
Gasolene	23 00	
Fireworks	19 00	
Plumbers	186 50	
Street Openings	223 89	
		2,077 56
GRANTS AND GIFTS FROM STATE		
For Education:		
Support of Public Schools	54,809 47	
Aid of Industrial Schools	1,800 00	
Aid to Free High School	500 00	
Union Superintendency	800 00	
		57,909 47
For Armory	200 00	
For Dogs	1,609 32	
For Sheep Killed by Dogs	142 50	
		59,861 29
Amount carried forward		\$665,721 64

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CITY OF BANGOR

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Amount brought forward..... \$665,721 64

SPECIAL ASSESSMENTS

Street Sprinkling.....	\$ 4,727 13	
Moth.....	84 47	
Sewer.....	1,514 50	
Sidewalks and curbing.....	2,449 26	
		8,775 36

PRIVILEGES

Public Service:		
Wires and franchise.....	2,800 00	
Bangor and Brewer bridge.....	1,733 31	
		4,533 31

CITY HALL

Rent of hall.....	1,442 00	
Rent of offices.....	1,624 73	
Rent of Court St. building.....	200 00	
Sale of fixtures.....	20 00	
		3,286 73

LAW

Refunds.....		8 30
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PROTECTION OF PERSONS AND PROPERTY

Municipal Court fees.....	1,065 93	
Snpreme Court fees.....	6,174 58	
Sale of junk.....	18 02	
Sale of buttons.....	14 14	
Use of patrol.....	260 50	
		\$7,533 17

Amount carried forward.....		\$689,858 51
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Amount brought forward..... \$689,858 51

Fire Department:

Sale of Material.....	30 16	
Sale of supplies.....	1 50	
Sale of equipment.....	426 50	
Sale of dressing.....	18 00	
		\$ 476 16

HEALTH AND SANITATION

Health:

Fumigating, etc..... \$ 73 50

Sanitation:

From sundry work, etc.....	97 50	
		\$ 171 00

MILITIA

Second Regimental band..... 100 00

HIGHWAYS AND BRIDGES

Bangor and Brewer bridge approaches.....	\$7,500 00	
Bangor and Brewer bridge, maintenance and construction.....	4,675 75	
Wood block pavement.....	7,150 00	
Central St. widening.....	1,928 85	
Block paving Harlow St.....	1,771 72	
Sale of second hand boiler.....	300 00	
From sale of crushed rock, street openings, junk, rent of equipment and sundries	1,709 57	
		\$25,035 89
Amount carried forward.....		\$715,641 56

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CITY OF BANGOR

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Amount brought forward..... \$715,641 56

CHARITIES

Alms house and farm:

Sale of milk and cream	\$ 609 83	
Sale of hay and grain	60 87	
Sale of live stock	277 14	
Sale of old equipment	6 00	
Fair premiums	28 00	
Sale of pork	55 00	
From sundries	70 55	
Reimbursements from individuals	878 11	
Reimbursements from cities and towns	1,241 54	
Reimbursements from State	3,733 50	
		\$6,960 54

SOLDIERS' BENEFITS

State pensions

7,689 00

EDUCATION

Tuition	2,235 90	
Sale of Text books and school supplies	46 90	
Rent of high school hall	29 00	
Heat to Public Library	1,500 00	
		\$ 3,811 80

UNCLASSIFIED

Telephone, percentage of receipts	\$ 138 11	
Weighing machine, percentage of receipts	8 74	
Sale of old junk from old post office site	703 65	
Miscellaneous unclassified	732 79	
		\$ 1,583 29

Amount carried forward..... \$735,686 19

Amount brought forward..... \$735,686 19

PUBLIC SERVICE ENTERPRISES

Electric Department:

Sale of light and Power.....	\$ 550 00	
Sale of junk.....	55 17	
Sale of supplies.....	12 05	
Sale of equipment.....	10 00	
		\$ 627 22

Water Department:

Sale of Water.....	\$ 91,700 00	
Sundry receipts.....	134 53	
		\$ 91,834 53

CEMETERIES

Sale of lots—Mount Hope.....	\$ 140 00	
Sale of lots—Maple Grove.....	55 00	
Sale of lots—Pine Grove.....	55 00	
Sale of hay.....	73 50	
		\$ 323 50

INTEREST

On bank deposits.....	\$ 1,676 53	
On taxes.....	1,206 73	
On sewer assessments.....	49 15	
On trust funds.....	58 66	
		\$ 2,991 07

PETTY CASH

Received from.....	\$ 1,276 89
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TEMPORARY LOANS

Loans for current expenses.....	\$320,000 00	
Loans for special highway fund.....	10,000 00	
Borrowed from sinking fund.....	5,000 00	
		\$335,000 00

Amount carried forward.....	\$1,167,739 40
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CITY OF BANGOR

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Amount brought forward..... \$1,167,739 40

MUNICIPAL BONDS

Sale of municipal bonds.....	\$100,000 00	
Sale of house on "Gibbs" property.....	2,100 00	
Currier estate fund.....	15,607 04	
New trees fund.....	151 00	
		\$117,858 04
Total cash receipts.....		1,285,597 44
Cash on hand March 1, 1914.....		47,331 77
		\$1,332,929 21
Civic Improvement cash as at March 1, 1914...		1,654 54
Permanent Improvement, cash as at March 1, 1914.....		3,184 84
		\$1,337,768 59

**Payments Made on Account of Warrants for
the Fiscal Year Ended Feb. 28, 1915**

Warrant No.	Amount Paid
1.....-	\$ 34,117 97
2.....	42,739 41
3a.....	23,941 64
3.....	32,953 05
4.....	5,861 85
5.....	52,245 97
6.....	46,996 86
7.....	5,893 34
8.....	11,627 78
9.....	2,495 07
10.....	12,157 77
11.....	35,204 59
Amount carried forward.....	\$306,235 30

Amount brought forward.....	\$306,235 30
Warrant No.	Amount Paid
12.....	12,975 17
13.....	43,738 41
14.....	12,680 45
15.....	19,422 97
16.....	51,335 40
17.....	1,722 00
18.....	38,924 40
19.....	21,700 67
20.....	645 00
21.....	44,214 24
22.....	18,166 80
23.....	22 00
24.....	349 94
25.....	233 67
26.....	312,112 99
27.....	8,719 96
28.....	2,590 00
29.....	87,451 44
30.....	423 55
31.....	71,377 93
32.....	198 77
33.....	12,878 26
34.....	909 00
35.....	491 35
36.....	875 63
37.....	128,749 15
38.....	108 85
39.....	293 85
40.....	15,600 44
41.....	14,496 91
42.....	226 94
43.....	30,394 84
Amount carried forward.....	<u>\$1,260,266 28</u>

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Amount brought forward.....	\$1,260,266 28
Warrant No.	Amount Paid
45.....	31,680 29
46.....	7,885 26
	\$1,299,831 83
Less payment made to Petty Cash fund.....	1,503 81
	\$1,298,328 02
Cash in banks and on hand as at Feb. 28, 1915..	\$ 39,440 57

SUMMARY

General cash.....	\$ 34,558 38
Petty Cash.....	1,503 81
Non-Revenue cash.....	2,100 00
Trust Fund cash.....	1,278 38
	\$ 39,440 57

Report of the City Electrician

Year 1914-15—Thirteen Months

TO HIS HONOR THE MAYOR, AND THE CITY COUNCIL:

Gentlemen:

I respectfully submit the report of the city electrician for the year ending February 28, 1915.

The past fiscal year was on basis of 13 months makes the report a little later than usual, and also adds somewhat to the year's expense. However, when one considers the amount of permanent work that has been done, and also the unexpected expense of some of the repairs that were necessary to keep things in proper working order, the expenditure seems warranted.

The department has succeeded in installing the rural lighting to the boundry lines, on Essex St., Pushaw Road, Broadway, Finson Road, Ohio St., Union St., Fuller Road and some on the Cram road, this year. This with Hammond St. and State Street which was done last year completes all the important avenues to and from the City, and we are proud to say that Bangor is second to no other city of its size in the United States in respect to its street lighting. Our streets are lighted by over two hundred thousand candle power.

The lighting of the above avenues, is highly appreciated not only by the residents on these streets but also by the motoring public at large, as it enables all persons to travel the roads with perfect safety at all times of the night, with no fear of being molested.

The overdraw on salaries is just one-half month that was extra there being $12\frac{1}{2}$ month's pay in the year and the material thirteen months. Inside wiring I have no control over, as I have to do whatever work there is to be done. The overdraw on Power Station is explained further on, coal and wood also. Street series lamps have to be renewed frequently.

The arc lamps were under another head, but I found it better to classify them separately, so on this list they have no appropriation. Street lighting fixtures are explained later. The last three items had no appropriation.

LIST OF EMPLOYEES AND THEIR WAGES FOR $12\frac{1}{2}$ MONTHS

R. N. Bicknell	\$1,550 00
A. O. White	1,001 54
James Logan	1,002 89
R. Thayer	947 39
H. Pendleton	870 43
D. F. Sexton	850 00
Fred MacDonald and team	1,000 00
J. C. Doherty	875 00
James Griffin	958 94
John Conroy	905 13
M. Gallupe	929 38
J. A. Bicknell	850 00
John Murphy	951 09
H. M. Grant	281 25
W. Spencer	892 31
A. L. Crosby	54 00
C. Reeves	889 12
R. E. Loupin	47 25
M. Chapman	133 75
Joseph Harper	8 00
James Dunham	66 00
S. Kelley	226 50
D. McLane	41 00

Jim Parks.....	220 50
M. Y. Hines.....	22 50
H. A. Bicknell.....	18 75
W. A. Decker.....	29 61
	\$15,622 33

COST OF RURAL LIGHTING COMPLETE

1200 Locke insulators.....	\$ 60 40
200 strain insulators.....	13 50
Seven miles bare wire No. 6.....	465 50
Seven miles insulated wire No. 6.....	586 00
170 fixtures.....	671 50
170 sockets.....	76 50
2004 feet flexible lead wire.....	52 64
Gasoline.....	28 00
Wire connectors.....	14 25
Blacksmith work.....	25 45
640 brackets.....	22 40
200 poles.....	100 00
11 six pin arms.....	7 48
55 two pin arms.....	18 70
590 lbs. No. 6 wire.....	86 14
500 ft. stranded wire.....	14 33
2365 lbs. No. 6 wire.....	347 66
8 miles of old wire used, at \$90.00 per mile.....	\$ 720 00

EXTRA LABOR REQUIRED

Chapman.....	\$ 133 75
Harper.....	8 00
Dunham.....	66 00
Kelley.....	228 50
McLane.....	41 00
Parks.....	220 50

LABOR FROM REGULAR CREW

Griffin.....	38 00
Conroy.....	36 00
Spencer.....	72 00
Reeves.....	72 00
Gallupe.....	36 00
Cost of labor and old stock.....	\$1,669 75
Cost of new material.....	2,590 45
	\$4,251 20
Less credit of stock returned amounting to.....	49 28
Total cost	\$4,201 92

Making cost of each lamp installed \$20.10.

As I had an appropriation of \$1,000.00 on my salary list to cover the labor on this job, and as the old wire that I used could not have been taken down, if I hadn't run the rural lights, the cost of this job on this Municipal year is really the cost of new stock and the labor, the sum set aside for which amply covers the bill. The old wire was purchased many years ago, and I have put it in to the expense to show up the true cost of Rural lights. The original order asked for lights on Essex, Broadway, Ohio and Union streets; while I have also installed lights on the Pushaw road, Grange hall at Six Mile Falls, Finson, Davis, Fuller and Cram roads.

Total number of lamps installed 209.

Original order called for 170, making 39 lights additional with all attending material and labor.

STREET LIGHTS INSTALLED

200 Candle Power Tungstens

Hose 4.....	1
Montgomery & Norfolk.....	1

Congress & Norfolk	1
Union and Highland	1
French and Garland	1
Essex and Cumberland	1
Essex and Garland	1
337 French St.	1
Charles and Union	1
State and Palm	1
Park View near Mt. Hope Ave.	1
French and Center St. Ave.	1
Fraiser's Lane and Hancock St.	1
French and South Park	1
Hammond St., near Webster Ave.	1
Oak St. at Union Iron Works	1
Franklin St. at Arnolds	1
Broadway and North Park St.	1
Bangor end Brewer bridge	1
Ferry Slip	1
Water St.	1
Total	21

1000 Candle-Power

Exchange St., opposite Clark's	1
Broadway and Somerset	1
Exchange St.	4
	6

400 Candle Power

Sixth and Warren	1
Fourth and Warren	1
	2

60 Candle Power

Curve, next Harlow	1
Perkins Street	2

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Carroll Street.....	1
State, between Otis and Howard.....	2
Kenduskeag Ave., above Montgomery.....	1
Holland Street.....	1
Pine St., above Penobscot.....	1
Emerson Street.....	1
Seminary Grounds.....	3
Upper Howard Street.....	1
Fountain and Linden.....	1
Fountain and Poplar.....	1
Upper Kenduskeag Avenue.....	1
Hammond Street, between West Broadway and Seventh.....	1
McFarlands on Broadway.....	1
Otis Street, near State.....	1
Bower Street.....	1
Seventh and Bowdoin.....	1
Ohio, between 15th and 16th Streets.....	1

Rural Lights

Essex Street.....	39
Broadway.....	53
Pushaw Road.....	18
Ohio Street.....	31
Union Street.....	44
Finsen Road.....	10
Fuller Road.....	6
Cram Road.....	7
Davis Road.....	1

Total No. 60 candle power.....	232
Total 200 candle power.....	21
Total 1000 candle power.....	6
Total 400 candle power.....	2

Total number installed in city..... 262

ARC LAMPS REMOVED

Hose 4	1
Union and Highland	1
French and Garland	1
Essex and Cumberland	1
Essex and Garland	1
Exchange and York	1
Exchange at Watermans	1
Exchange and Hancock	1
Charles and Union	1
Center St. Ave. and French	1
Sixth and Warren	1
Fourth and Warren	1
Lower Exchange St.	1
Bower Street	1
Exchange St., opposite Clark's	1
Total number removed	15

As the new type C, 60 candle power lamp, only takes 50 watts of energy and the old Arc takes 500 watts, it is readily seen that there can be ten of the small lamps installed in place of an Arc lamp and distribute 600 candles over four times the area that an Arc light can. The Arc is only good for four hundred candles.

The only serious troubles that have occurred on the lighting circuits are as follows:—

On April twelfth, a tree fell down across our wires and the B. R. & E. Company on Essex and Milford street and burned out 26 tungsten lights, that put the circuit out of commission for one and a half hours.

On September tenth the lights in Maxfield's Bridge also nine lights beyond, were found broken and presume some children must have broken them by using an air rifle, opening the circuit and causing serious trouble. This break was not found and repaired for three hours.

As the breaking of lamps causes serious trouble and endangers the life of those that indulge in the pastime I respectfully ask that the parents of children having air rifles and the like, caution their children not to shoot at the street lights. There are fully 10% of the lights broken every year, and is costly for the City.

POWER STATION AT THE WATER WORKS

Here as in past years we are continually having trouble that brings up the expenses. With an appropriation of \$1000.00 for repairs, which would ordinarily have been enough, we find that we have expended \$4371.09 which makes an overdraw on repairs of \$3371.09.

We allowed \$1000.00 for steam coal also and owing to the fact that we have had very little water running over the dam the past year, this has been overdrawn \$568.38. Making a total overdraw on this department of \$3939.47.

As everyone realizes that the station has to be kept up, I do not think that it is necessary to go into detail as to what the repairs are.

Anyone interested may look over the books at any time when I am in the office.

On November fourth it was noticed that the governor fly wheel on the engine was acting bad and on a thorough investigation by our engineer, Mr. White, and myself, it was decided that the wheel was unsafe to run. On writing the engine works it was found that a new wheel would cost \$406.00 plus the freight. The old wheel has had a crack running most through the hub as long as I can remember. Over this hub we shrunk a steel band, which has held the wheel fairly well until last November, at which time the wheel became so loose that it was positively dangerous to run it any longer. However, owing to the expense involved we used it until Jan. 25th.

For the past month it has been necessary, owing to low water and excessive high tides, and the loss of the engine, to cut out some of the circuits on flood tide. By doing this we have been able to save between two and three thousand dollars. In a few days we will have the engine running.

For permanent improvements, we have completed the removal of the wires from the old cupola, where they were unsafe and now have them entering the station on the front, where they are in full view at all times and cross the Maine Central tracks on two heavy forty-five foot poles, securely guyed in position. This wire is 1-0 and should withstand any storm.

There has been a new switchboard panel installed on which there are instruments that record the entire load that we have on the machines, at all hours of the day or night. These charts are filed away for reference, if needed.

The new fly wheel for the engine has been put in place but is not ready for operation as yet; there being difficulty in getting the governor adjusted.

CONTEMPLATED IMPROVEMENTS

So many motors are running off the lighting circuit, it is quite necessary that a voltage regulator should be installed at the station to regulate the voltage automatically. It is impossible to do this by hand, to get satisfactory results. The voltage is constantly fluctuating. When it is down there is no harm done to the lamps but when it is up, it very often burns out a great many lamps. This should not cost over three hundred dollars and will effect a great saving. My opinion is that it would pay for itself in two years, by saving lamps being burned out.

As the engine is continually getting out of order, I strongly advocate the purchase of a steam turbine generator set to be

installed as a complete auxiliary to the water power, which is deteriorating and will soon have to be rebuilt. This cannot be done unless there is auxiliary power to take care of the load, while repairs are being made.

This can be installed at a cost not to exceed \$20,000.00 and setting its life at twenty-five years, could be owned for the interest and depreciation which would amount to \$1,600.00 per year.

As stated in previous reports; the flume should be divided by a cement wall, so that the water and electric departments could be shut down without interfering with each other. This would allow carrying several feet more head in the electric flume at times, when there is plenty of water running over the dam. As it is now, if all the water taken that could be handled in the electric flume, it will flood out the water department, as their floor is much lower than the electric department's floor.

The yearly output has been about the same this year as it was last, owing to having reduced the number of arc lamps and substituted Tungstens in their place. Taking the cost of manufacture as follows, the cost per kilo-watt would be eight and two-tenths mills.

The output in kilo-watts being 1,782,780 for the year.

The cost of manufacture is as follows:

Maintenance.....	\$4,371 09
Coal and wood.....	1,568 38
Salaries.....	4,218 60
Insurance.....	100 00
Interest.....	2,200 00
Depreciation.....	2,200 00
	\$14,658 07

The total cost of manufacture, \$14,658.07 divided by 1,782,780 K. W. makes the cost per K. W. .0082.

FIRE-ALARM SERVICE

PERMANENT IMPROVEMENTS

At the beginning of this year I did not suppose that it would be necessary to expend more than two hundred dollars on the fire alarm apparatus, as all the work there was in sight was to finish connecting up the underground cable, a matter of a little labor only.

Early last fall however, it was found necessary to renew the old wooden battery racks with new ones and accordingly we purchased two racks at a cost of \$241.51. These racks are made of iron, highly insulated where the batteries set with glass and porcelain, and take up but one quarter of the space that the old ones did in floor space. This has given us a lot of much needed room.

In order to make the fire-alarm apparatus as fire-proof as possible we bricked off a room in the cellar for the batteries which will be absolutely fire-proof. The cables going into this room are underground and so are out of danger from fire. All this mason work has been done by members of the crew and has saved quite a sum of money.

We have installed this year box 411 on Wiley St. and box 611 at Fountain and Blackstone Sts. Renewed box 22. Cost of which was \$375.00.

Having allowed only two hundred dollars for fire-alarm and having expended \$1,054.41 leaves an overdraw of \$854.41.

Have had scarcely any trouble on this apparatus or the lines worth mentioning, what there was, has been repaired within an hour's time so we have had uninterrupted service.

POLICE SIGNAL SYSTEM

With the exception of the register on the board there has been very little trouble with the system.

As the old register recorded the calls in ink which was very unsatisfactory as it very often blotted so that the calls couldn't be read, and as the mechanism in the register was about worn out I installed a new punching register which the maker were willing to send on trial. This register, although working perfectly satisfactory, is not paid for to date.

All the underground cables have been put in operation and are saving a great amount of labor.

SUB-STATION, YORK STREET

At the time this station was built there was no provision made for the proper distribution of the 2300 volt circuits throughout the city.

These wires simply passed through this station, through an oil switch and then distributed. If any wires are in trouble it will be necessary to cut out the entire circuit or leave it until repairs can be made. As this latter process is very dangerous to life as well as property, I prevailed upon the City Government to allow me to purchase a switchboard, consisting of six panels, on which are mounted double throw automatic overload release oil switches. By means of these panels all circuits can be controlled from this point. These switches are thrown out automatically when there is an overload or a short circuit on the line. Before installing this board it was necessary to install a cement gallery in the tub-room to mount the board on as there was not room anywhere in the station. As this was installed by the crew, it only cost the price of material.

When this work is all completed there will be a fire-proof transformer room, as all wooden parts and all wires will be removed. The new construction being all cement, it will be electric cable flame proof.

As we are doing all this extra work with the regular crew as well as all regular repairs, it is necessarily rather slow work; this should be completed this coming summer.

As regards the Sub-Station buildings, I wish to say that there should be quite a few repairs made and painted. I have called the attention of the building committee to this several times but without results.

Our total connected load is as follows:

	Watts
High school, lights.....	47,000
High school, motors.....	62,000
Library lights.....	22,000
Library, motors.....	13,000
Union St. Grammar school.....	5,000
Bower St. school.....	480
Pond St. school.....	360
Palm St. school.....	18,440
First St. school.....	1,360
Larkin St. school.....	4,220
Longfellow school.....	2,880
Center St. school.....	360
City Farm, lights.....	9,508
City farm, motor.....	5,000
City Hall, lights.....	36,000
Central Fire station.....	7,470
Hose 2.....	2,100
Hose 3.....	1,520
Hose 4.....	3,620
Hose 5.....	3,800
Hose 6.....	2,780
Central Fire Station, motor.....	5,000

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Water Works and station, lights.....	15,600
Water Works, motors.....	230,000
Sub-station, lights.....	3,600
Sub-station, motors.....	5,500
Brewer bridge.....	2,400
Standpipe.....	6,000
Rock crusher, motor.....	50,000
City stables and Court St. buildings.....	2,000
Armory.....	4,000
Central St., lights.....	9,000
All series alternating street lights, including Main St.....	355,000

Total connected load..... 936,998

936.998 Watts equals 937 Kilo-Watts.

This 937 kilo-watts is the amount of electricity that it would take per hour to run the motors and lights that belong to the city, if they were all running at once. That is, this amount of power would have to be delivered at the apparatus. Outside of this there must be taken into consideration the line and transformer losses.

The generators are rated at 250 kilo-watt each and would carry 25% overload. This makes the station good for 625 kilo-watt. As one machine is good for only half of this, it would be impossible to run full loads if one of the machines burns out. Very often there is a load of 425 kilo-watt during the first part of the evening.

In closing, I wish to thank his Honor the Mayor, the members of the City Council, the heads of the different departments, the officials of the Telephone and Telegraph Companies, the Bangor Railway and Electric and especially the members of my crew and my committee.

Respectfully submitted,

R. N. BICKNELL,

City Electrician.

March 13, 1915.

Schedule of Property Belonging to Electrical Department

LIST OF TOOLS AT SUB-STATION

1 Fay & Scott lathe,	4 trimmers' baskets,
1 forge and anvil,	1 bit brace,
1 grindstone,	6 bits,
2 vises,	3 rising pikes,
2 pipe cutters,	2 2-H. P. motor,
1 bolt cutter,	4 bits,
1 duplex die stock,	2 pipe taps,
1 bull dog die stock,	20 lanterns,
1 little giant die set,	8 brooms,
3 torches,	2 hammers,
8 stone drills,	3 manhole gages,
8 brick drills,	1400-ft. running line,
1 pipe vise,	6 hand lines,
400 feet duck rods,	1 horse, (work),
2 35-ft. extension ladders,	1 heavy harness,
1 20-ft. ladder,	2 light harness,
1 23-ft. ladder,	1 old express wagon,
1 15-ft. ladder,	1 new wagon,
1 6-ft. step-ladder,	1 light wagon,
1 3-ft. step-ladder,	2 sleds,
1 8-ft. step-ladder,	1 jigger,
1 10-ft. step-ladder,	2 horse blankets,
2 shovels,	1 whip,
6 scoops,	1 halter,
1 tamp mall,	1 two-wheeled pole wagon,
2 snow shovels,	1 tree trimmer,
1 garen rake,	1 digging bar,
3 sets blocks,	3 magnetos,
2 tin pails,	2 roll top desks,
1 hay fork,	1 L. C. Smith typewriter,

1 barn shovel,	2 chamois,
4 pickaxes,	2 sponges,
1 currycomb,	1 barn fork,
1 horse brush,	6 stilson wrenches,
3 hatchets,	2 breast drills,
3 screw-drivers,	100 ft. $\frac{3}{4}$ in. rope,
3 sets come alongs,	2 chisels,
1 power drill,	2 saws,
50 feet garden hose,	1 draw shave,

ACCOUNT OF STOCK AT THE POWER STATION

100 gals. machine oil,	1 24-inch stilson wrench,
165 gals. cylinder oil,	1 20-inch monkey wrench,
50 gals. kerosene oil,	3 24-inch chain tongs,
50 lbs. gear grease,	1 12-inch ratchet drill,
250 lbs. waste,	1 5-inch vise,
5 lbs. belt dressing,	1 breast drill,
4 gal. brass polish,	1 12-inch hack saw frame and 10
1 set of cogs and kegs for 59-inch wheel,	blades,
1 set of cogs for 36 inch wheel,	125 lbs. babbitt,
4 rack rakes,	100 feet 6 ply steam hose,
3 ice chisels,	50 feet cotton lined hose,
1 set of blocks-tackle,	1 steam tube blower,
1 field coil,	1 Weinland turbine cleaner,
1 armature coil for generator,	2 5-inch steel bars,
1 grate,	1 3-ft. pinch bar,
1 side piece,	1 lawn mower,
2 caps,	1 iron rake,
1 5-inch 4-ft. boiler tube,	1 spade,
3 cap wrenches,	1 wooden rake,
1 10-inch 4-ft. boiler tube,	1 sickle,
2 sets of 3000 lb. chain falls,	2 snow shovels,
1 set of 4000 lb. chain falls,	5 lanterns,
1 set of 2000 lb. chain falls,	2 $\frac{3}{4}$ -inch cold chisels,
50 lbs. cup grease,	3 machine hammers,
1 rope fall,	1 14-inch Stilson wrench,
	1 24-inch Stilson wrench,

1 8-inch Stilson wrench,	1 36-inch Stilson wrench,
2 12-inch jackscrews,	1 14-inch Trimo wrench,
2 4-ton hydraulic jackscrews,	1 12-inch Coe Monkey wrench,
2 6-inch jackscrews,	1 21-inch Coe Monkey wrench,
2 $\frac{3}{4}$ -inch cold chisels,	1 set bits for wood,
2 $\frac{5}{8}$ -inch cold chisels,	1 bit brace,
1 8-inch Wescott wrench,	1 expansion bits
1 14-inch Wescott wrench,	1 8-foot step-ladder.
1 boiler ratchet drill,	

REPORT OF
Superintendent Department of Supplies

BANGOR, MAINE, March 1, 1915.

To His Honor, the Mayor, and City Council:

Gentlemen: "A proper purchasing system is an absolutely essential feature of a municipal government." The foregoing is quoted as the first paragraph in an official document, City of Philadelphia, 1914.

First, By centralizing all purchases.

Second, The moral influence of the department.

Third, A proper placing of responsibility of purchases.

Fourth, The saving of time to heads of other departments.

The cost of administration while charged directly to this department is not as generally supposed an additional cost added to supplies, if the saving in time, postage, stationery, etc., is of advantage to the other departments. If every department had its cashier and handled its own cash, why have a City Treasurer? We have a City Treasurer and the cash accounts are centralized. We have a Department of Supplies and the purchases of supplies are centralized.

Savings are made in many ways, a few of which are enumerated. This department bought 6,000 bushels of oats at an average price of 57 cents per bushel, the market advanced to 70 cents per bushel; there was a saving on this purchase alone of at least \$450.00, while the total saving on the one item of grain for the year will figure \$600.00 or more as compared with previous methods.

On flour for the Almshouse a purchase was made of 135 bbls. at \$4.90 average in anticipation of higher prices caused by the European war, which caused the flour market to advance to \$8.10 per bbl. I estimate the saving on this purchase \$100.00 or more. On sugar I estimate a saving of 4 cents per lb. on one ton, or \$80.00.

These comparisons could be quoted indefinitely: one-fourth cent per lb. on beef \$35.00; 50 cents per ton on hay \$75.00, etc. The purchase of fire hose was made at a lower figure than ever before, saving \$100.00 on the same brand and quality. The motor apparatus for fire department was bought at the closest possible figure. The police motor ambulance was bought \$500.00 lower than the City of Boston paid for identically same type car.

In the Park Department repairs were necessary on the pool in Chapin Park; during 1913 repairs were made at an expense of about \$110.00; during 1914 almost identical repairs were made at a cost of \$10.00. Printing of check lists for Registration Board formerly cost about \$225.00 were printed during 1914 for \$173.00.

Immediately after the March inauguration Mayor Utterback notified me that no City of Bangor orders would be accepted by his corporation, and on the same day Alderman A. R. Day requested me to send no order to the Adams Dry Goods Company during his term of office. Both of these requests were complied with.

The question of establishing a distributing station for groceries furnished to families by the Pauper Department has been thoroughly considered and argued, but as yet no change has been made from former method of giving orders on local grocers for specified amounts. If this method should be changed it must be by council order or action of the Overseers of the Poor as I have no authority to make the change.

A severe handicap is placed on this department by the fact that my recommendation of last year "That the head of each department furnish me with an estimate of supplies needed" has not been complied with; some departments not making requisition until supplies are actually wanted *then and there* when by having advance notice and time for bargaining, savings could be made. In many instances requisitions are presented only when *immediate demand necessitates*, and in other cases only when traveling men appear in town and suggest the need of materials in their line.

With *very few* exceptions purchases are made *in Bangor* and from *Bangor Merchants*. There is a good and sufficient reason for all purchases made from outside.

It is sincerely hoped that the newly elected council will consider the wording of orders carrying appropriations and authorizing purchases of supplies, printing, etc., that properly should be handled through this department. During 1914 the council completed a purchase of sprinkling carts at an arbitrary price taking the matter entirely into their own hands simply because it was tacked on to the sprinkling ordinance *as an amendment*. In other instances purchases were authorized with a "Joker," that the Superintendent of Supplies *and* the Mayor, *and* the chief of department *and* committee of department should act; this is directly in opposition to the ordinance governing the Department of Supplies reading: "*The Superintendent of Supplies shall have full charge of the purchase and supply of all personal property required in the conduct of the business of the city.*" This is not written in a spirit of criticism, but simply calling attention to formal procedure.

I am reliably informed by a Veterinarian that since this department has been in operation the city has received better value for the amount of money paid for horses than formerly.

The number of orders issued by this department during the fiscal year is 6701, being an average of 22 per day, covering more than 18000 items ranging from single units to dozens or gross lots.

Suitable office accommodations have not yet been provided for this department, I am still occupying a portion of Room No. 8 in conjunction with the Board of Health, Milk Inspector, Plumbing Inspector, and School Agent; this is a handicap in many ways, particularly from lack of room.

Respectfully submitted,

F. H. MEINECKE,

Superintendent of Supplies.

Report of the Superintendent of Sewers

BANGOR, ME., March 1st, 1915.

To His Honor, the Mayor and the City Council:

The Superintendent of Sewers herewith submits his report for the year ending March 1st, 1915.

Appropriation for the year.....	\$12,250 00	
Credit by pipe used from stock.....	205 95	
		\$12,455 95
Expended for new work and all repairs and other ex-		12,425 77
penses.....		
		\$ 30 18
Unexpended balance.....		

EXPENDITURES

Salary of superintendent and board.....	\$1,250 00
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SEWER CONSTRUCTION

West Park Street.....	\$ 44 10	
State Street.....	552 49	
Francis Street.....	99 59	
Broadway.....	2,016 43	
Fountain Street.....	98 95	
Larkin Street.....	308 07	
Russell Street.....	49 85	
Franklin Street.....	215 71	
Fifteenth Street extension.....	152 97	
Vernon Street extension.....	51 31	
Hancock Street extension.....	17 82	
		\$3,607 29

CATCH BASIN CONSTRUCTION

NEW CATCH BASINS

1 Palm Street.....	\$ 59 10
1 Stillwater Ave.....	82 40
1 French Street.....	46 05
1 Spring Street.....	54 77
1 Garland Street.....	63 77
1 French Street.....	50 26
1 Hammond Street.....	65 46
1 Bowdoin Street.....	49 50
1 Lincoln Street.....	53 45
1 Norway Road.....	53 78
1 Patten Street.....	47 62
1 Forest Ave.....	60 97
2 Everett and Court Streets.....	105 97
1 Webster Ave.....	60 87
1 Bower Street.....	60 95
1 Fruit Street.....	56 75
1 Grove Street.....	55 27
1 Hammond Street.....	61 38
2 Summer and South Streets.....	141 67
2 Pearl Street.....	98 59
1 Mt. Hope Ave.....	55 03
1 Congress Street.....	51 54
1 Parkview Ave.....	68 34
1 Ohio Street.....	19 68
1 Hancock Street.....	50 28
1 State Street.....	62 68
Carting rock from High School.....	12 25
Carting pipe.....	6 37
29	\$1,654 75

CATCH BASIN MAINTENANCE

Cleaning catch basins.....	\$3,039 50
Repair of carts.....	157 04
	\$3,196 54

SEWER MAINTENANCE

REPAIR OF SEWERS

Grace Ct.....	\$ 83 57
Union Street.....	68 30
Pearl Street.....	19 50
Fern Street.....	49 08
Electric Light Station.....	10 48
Everett Street.....	98 54
Drummond Street.....	9 56
Pearl Street.....	19 33
Harlow Street.....	80 37
Fourth Street.....	10 49
Perkins Street.....	9 65
Wiley Street.....	25 30
10 others.....	45 80
	\$ 529 97

REPAIR OF CATCH BASINS AND MANHOLES

1 Cumberland Street.....	\$ 22 50
1 Larkin Street.....	28 00
1 Parkview Ave.....	19 00
1 Palm Street.....	29 07
1 Pearl Street.....	29 61
1 Broad Street.....	16 00
4 Warren Street.....	10 65
1 Webster Ave., North.....	20 85
1 Parkview Ave.....	12 38
1 State Street.....	15 47
1 Grove Street.....	14 45
1 Carroll Street.....	32 09
3 Fruit Street.....	12 65
1 Birch Street.....	26 77
1 Somerset Street.....	24 63
1 Harlow Street.....	14 40
1 Bower Street.....	10 72
1 Market Street.....	27 35
1 Hammond Street.....	26 25

1 Parkview Ave	22 80	
49 Others	228 12	
		\$ 643 76
74		
Work of department during winter	\$ 913 90	
Incidental expenses	244 87	
Office supplies	30 68	
Jobbing and flushing	174 16	
Carting pipe	6 85	
Tapping sewers	34 50	
Blasting ledge	96 00	
Work at Second Street storehouse	42 50	
		\$1,543 46
Total expenditure		\$12,425 77

AMOUNT OF NEW SEWER BUILT

West Park Street	102 feet	8 inch pipe
State Street	988 feet	10 inch pipe
Frances Street	140 feet	8 inch pipe
Broadway	618 feet	24 inch pipe
Broadway	870 feet	15 inch pipe
Broadway	50 feet	12 inch pipe
Broadway	60 feet	10 inch pipe
Fountain Street	140 feet	8 inch pipe
Larkin Street	40 feet	10 inch pipe
Larkin Street	346 feet	8 inch pipe
Russell Street	250 feet	8 inch pipe
Franklin Street	150 feet	10 inch pipe
Fifteenth Street extension	224 feet	10 inch pipe
Vernon Street extension	116 feet	8 inch pipe
Hancock Street extension	76 feet	8 inch pipe
Connections	554 feet	8 inch pipe
Total	4724 feet	

The necessary catch basins and manholes have been built in connection with all new sewers; two catch basins and three

manholes on Broadway; one manhole on State Street; two catch basins on Larkin street. This makes the total number of catch basins built this year thirty-three; twenty-nine on old sewers and four on new sewers, making the total number of catch basins in the City 1262.

There have been four manholes and 4724 feet of new sewer built during the year which makes nearly 46 miles of sewer in the City.

There have been 54 houses connected with the sewer this year. All the catch basins in the city have been cleaned as often as necessary, the work being done by the department at a cost of \$3196.54 which includes the cost of tools, repair of carts and all expense connected with cleaning the catch basins.

For a schedule of property in the possession of this department I would refer you to the report of the Committee on City Property.

Respectfully submitted,
WM. E. GIVREN,
Supt. of Sewers.

Report of the Fire Chief

To the Honorable, the Mayor, and the City Council:

In compliance with the regulations of the City Ordinance, I herewith submit a report of the Fire Department for the fiscal year ended February 28th, 1915.

The expenditures for the department for the year have been as follows:

Salaries and wages.....	\$41,131 00
Horses and care of same.....	5,218 58
Fuel and lights.....	2,202 49
Auto maintenance.....	156 96
Equipment and repairs.....	3,048 00
Other expenses.....	1,265 64
	\$53,023 49

IMPROVEMENTS

Motor apparatus.....	\$5,390 00
Total.....	\$58,413 49

Included in the above expenses are bills which were brought over from the prior year, and were charged to the following accounts:

Salaries and wages.....	\$1,064 65
Horses and care of same.....	427 43
Fuel and lights.....	560 49
Equipment and repairs.....	261 89
Other expenses.....	131 06
Total.....	\$2,445 52

This report includes 13 months of bills and 12½ months pay rolls.

Salaries and wages shows an increase over last year, which was due to the fact that the call and permanent men received increase of pay amounting to \$5,000.00.

The cost of the motor apparatus was \$5390.00. This amount and the increase of pay to the men of the department makes a total of \$10,390.00.

In view of this the expenditures of the department would naturally be more this year than the prior year.

The actual repair bill this year has been \$585.58. This includes \$66.50 that came over from last year. The balance represents new equipment and renewals of same.

The following statement shows the revenue received by the department during the year:

May, 1914.	Sale of horse.....	\$ 75 00
May, 1914.	Sale of coal.....	2 50
July, 1914.	Sale of old hose.....	27 66
Aug., 1914.	Sale of junk.....	3 00
Dec., 1914.	Sale of junk.....	16 35
Dec., 1914.	Sale of horses.....	350 00
Jan., 1915.	Sale of dressing.....	44 00
Feb., 1915.	Sale of dressing.....	25 00
Feb., 1915.	Sale of dressing.....	18 00

Total..... \$ 561 51

This amount of revenue is not available to the use of the department under the present system of accounting, as all the expenditures must be appropriated for the department by the City Government.

APPARATUS

CENTRAL STATION, UNION ST.

1 hose and chemical apparatus.....	Motor driven
1 steam fire engine.....	Drawn by 3 horses
1 aerial truck.....	Drawn by 3 horses
1 chief's wagon.....	Drawn by 1 horse

STATION 2, MAIN ST.

1 hose wagon.....	Drawn by 2 horses
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STATION 3, HAMMOND ST.

1 hose wagon.....	Drawn by 2 horses
-------------------	-------------------

STATION 4, HIGHLAND ST.

1 combination wagon, ladder, hose and chemical.....	Drawn by 2 horses
1 steam fire engine.....	Drawn by 2 horses

STATION 5, STATE ST.

1 hose and chemical wagon.....	Drawn by 2 horses
1 city service truck.....	Drawn by 2 horses

STATION 6, CENTER ST.

1 hose wagon.....	Drawn by 2 horses
1 steam fire engine.....	Drawn by 2 horses

WINTER APPARATUS, ETC.

6 hose sleds	1 ladder sled	2 exercising sleds
2 chief's pungs	2 chief's wagons	3 exercising wagons
1 hose wagon not in very good condition.		

PERMANENT FORCE

The permanent force of the department consists of: 1 chief,
3 district chiefs, 27 drivers, engineers, hose and ladder men.

CALL FORCE

The call force consists of 7 captains, 7 lieutenants, 56 hose and ladder men.

HORSES

We have in the department 23 horses. Three less than last year. The motor apparatus having displaced them.

Three new horses have been purchased this year; one for Station 3, and two for Station 4.

The horses in the department at the present time are in good condition.

HOSE

We have on hand 15,950 ft. of hose, of which 11,950 ft. is in first class condition, and 4000 ft. second class. 44,000 ft. of hose was laid at fires during the year.

ALARMS

The department has responded to 287 calls during the year, of which 97 were bell alarms and 165 still calls. Of these calls 199 were in wooden buildings, 40 in brick and cement buildings, 32 grass and dump, 2 automobiles, 3 railway cars, 3 false bell alarms, 2 calls out of town.

VALUATION AND LOSS

The valuation of the property involved in fires during the year was \$795,756.36. Insurance on same \$582,845.01. Loss during the year \$45,535.90.

FIRE ESCAPES

Two fire escapes have been put on to buildings during the year. Largay block, State St.; Valentine School, Union St.

INSPECTIONS

The permanent men of the department have made several inspections of the business section of the city during the year, for the purpose of keeping the cellars and yards clear of rubbish and inflammable material.

RECOMMENDATIONS

The purchase of 2000 ft. of hose.

That the office of Deputy Chief be created, so that in the future the appointed officers of the department shall consist of 1 deputy chief, and 2 district chiefs. The appointment of these officers to be made by the Chief Engineer of the department.

CONCLUSION

In closing, I wish to thank His Honor the Mayor, the City Government, Committee on Fire, Police Department, the Press, and all who have in any way contributed to the success of the department.

To the Officers and Members of the department I extend thanks for their hearty co-operation and efficient work during the year.

Respectfully yours,

P. J. KELLEY,

Chief Engineer.

Report of the Chief of Police

BANGOR, MAINE, March 1, 1915.

To the Honorable Mayor and City Government:

Gentlemen:

I have the honor to submit herewith my annual report for the municipal year ending March first, 1915.

It may not be out of place to call your attention to the fact that this has been one of the busiest years in the history of the Police Department. In the month of April, 1914, a great many laboring people in search of employment and without means of support arrived in this city, and were unable to obtain employment and as they had to be cared for conditions looked serious for a while. This state of affairs was called to the attention of His Honor the Mayor, who immediately gave orders to this department to see that these people were fed and cared for until such time as conditions bettered themselves. For several weeks these men were under the constant surveillance of this Department, and I am pleased to say that they gave no annoyance to the residential section of the city.

One Bangor employment agency during the last year found employment for 13,000 men while several other agencies placed many additional thousands. In view of the fact that this city is the commercial center and distributing point for eastern and northern Maine it can readily be seen that it has required the constant attention of this department in seeing that law and order has been preserved.

His Honor the Mayor declared that slot machines, gambling machines and all gambling devices must go, and today it can safely be said that there is not a gambling machine in operation in this city.

A general clean-up has been made of all disorderly houses with the result that more than fifteen well known places have been closed, the proprietors and inmates having left the city and today the city is in excellent condition as regards this class of places.

I earnestly recommend that the Bertillon and finger print system be immediately purchased as its installation would add greatly to the efficiency of this department in apprehending criminals who come here from different parts of the country.

During the past municipal year many youthful offenders were arrested for various offences and brought before His Honor the Judge of the Bangor Municipal Court. In all cases they were turned over to and placed in the charge of the Probation Officer, Robert A. Jordan, with gratifying results.

As we have no police matron we were obliged to call on Mrs. Jennie Johnson, City Missionary, to aid us and care for the women who come into the custody of the police. Mrs. Johnson has been a great help in aiding and assisting these unfortunate people getting back to their relatives and friends and in obtaining employment for them.

The conditions in the residential part of this City have been very satisfactory with the exception of a few complaints about degenerates annoying women and the records show that arrests have been made of many of these offenders and punishment given with the result that not a complaint of this nature has been made for some time.

During the past municipal year Bangor has been visited by four circuses, a street carnival lasting a week, and the Eastern Maine State Fair, besides the Main Music Festival. It is gratifying to note that not a single complaint was made on any of these occasions of any offenses committed such as larceny, thieving or pocket picking, crimes which are usually committed on such occasions by crooks and thugs who generally follow up such affairs. People visiting here must have had a good impression of Bangor.

In the business section of this City during the past year very few crimes occurred in the nature of safe blowing and offenses of this kind.

Beginning August 1st, 1914, the police auto patrol and ambulance was added and has given excellent satisfaction it being a great asset to the department and I most earnestly recommend that a suitable place near City Hall be secured for housing this machine as by so doing we could get better results, and at the same time save considerable money for the City.

Below is given the record of arrests for the year ending March 1, 1915.

RECORD OF ARRESTS, ETC., FOR THE PAST YEAR

Assault and Battery.....	46
Assault.....	8
Adultery.....	4
Abortion.....	1
Accepting money from a woman engaged in prostitution.....	2
Attempt to break and enter.....	1
Attempt to ravish.....	1
Assault with intent to rob.....	1
Affray.....	14
Aggravated assault.....	2

Attempted to entice.....	1
Begging.....	4
Breaking and entering, in the night time.....	4
Breaking and entering and larceny.....	1
Burglary.....	1
Cheating by false pretences.....	6
Committed to the State School for Boys.....	2
Concealing mortgaged property.....	1
Committed to the State School for Girls.....	3
Concealing stolen property.....	1
Common nuisance.....	34
Common nightwalkers.....	2
Cruel treatment to child.....	1
Drunkenness.....	3167
Desertion.....	3
Desertion of wife and child.....	3
Danger of falling into habits of vice.....	4
Evading car fare.....	2
Exceeding auto speed limit.....	4
Embezzlement.....	9
Enticing female to prostitution.....	1
Forgery.....	5
Gambling.....	18
Held for other officers.....	42
Highway robbery.....	1
Insane.....	7
Idle and disorderly person.....	1
Illegal deposit of intoxicating liquors.....	20
Illegal transportation of intoxicating liquors.....	6
Indecent exposure.....	5
Interfering with officer.....	2
Keeping gambling house.....	9
Keeping house of ill fame.....	4
Larceny from the person.....	6
Larceny.....	42
Malicious mischief.....	4
Passing a worthless check.....	1

Robbery.....	1
Search of person for intoxicating liquors, nothing found.....	13
Search of person for intoxicating liquors, liquors found.....	12
Shelters.....	2725
Safe keeping.....	43
Single sale of intoxicating liquors.....	10
Selling mortgaged property.....	1
Street walking.....	1
Search and seizure of intoxicating liquors.....	109
Search for intoxicating liquors, nothing found.....	468
Search for gambling implements.....	7
Search for stolen property.....	2
Threatening to commit an offense.....	1
Threatening to shoot.....	1
Track walking.....	4
Trespassing.....	8
Vagabond.....	26
Violation of City Ordinance.....	2
Warrants after seizure of intoxicating liquors.....	15
Witnesses.....	41

POLICE AUTOMOBILE AND AMBULANCE

Conveying people to different City Hospitals.....	26
Number of people conveyed to house of correction.....	27
Number of calls on account of accidents and people taken to their homes.....	4
Number of calls since August 1st recorded on Police Record.....	1548

BOYS ON PROBATION

Number of boys placed under probation, previously arrested.....	17
Number of lost children found and returned to parents.....	10
Number of doors found open	
West side.....	106
East side.....	88

Number of safes found open

West side.....	11
East side.....	9

In conclusion I wish to thank His Honor the Mayor, for the very hearty support given me, the Judge and Clerk of the Bangor Municipal Court, members of the City Government and subordinate officers, and especially former County Attorney Donald F. Snow who gave much of his valuable time and assistance to this department, I feel greatly indebted.

All of which is respectfully submitted,

THOMAS E. O'DONOHUE,
Chief of Police.



Report of the Public Library

BOARD OF MANAGERS

1915-1916

Frank Robinson (Mayor) *President*

Arthur Chapin

Frederic W. Adams

William F. Curran

Henry O. Pierce (City Treasurer)

Daniel A. Robinson, *Vice President*

Charles F. Bragg

Bernhard Pol

Thomas U. Coe

Trustees of
Hersey Fund

Bangor
Mechanic
Association

SECRETARY AND TREASURER

Everett F. Rich

COMMITTEES

Auditing, Mr. Pol

Finance, Mr. Bragg

Library, Dr. Coe, Dr. Robinson, Mr. Chapin

Purchasing, Dr. Coe

OFFICERS OF THE LIBRARY

LIBRARIAN

Charles A. Flagg, B. L. S.

Associate Librarian

Mrs. Mary H. Curran

Assistants

Miss Carrie C. Mayberry

Miss Annie E. Wayland

Miss Grace H. Bolton

Miss Eva E. Rand

Miss Nellie L. Bullock

Miss Pauline M. Murphy

Miss Marguerite Mills

Miss Elisabeth H. Chapman

Miss Mary E. Casey

Janitor

Timothy E. Hollihan

Report of the Trustees of the Income of the Hersey Fund

BANGOR, February 6, 1915.

To the City Council of the City of Bangor:

The Trustees of the Income of the Hersey Fund submit their annual report. They have received from the City Treasurer the sum of four thousand dollars (\$4,000) in quarterly payments, which have been paid to the Treasurer of the Board of Managers of the Bangor Public Library.

They also submit, herewith, the annual reports of the Treasurer of the Board of Managers of the Bangor Public Library, and the Treasurer of the Board of Trustees of said Library, and of the Librarian, together with the By-laws of the Board of Managers and the Rules of the Library now in force.

J. G. UTTERBACK, *Mayor*

ARTHUR CHAPIN

WM. F. CURRAN

HENRY O. PIERCE

FREDERIC W. ADAMS

Trustees of the Income of the Hersey Fund.

THE LIBRARY BOARDS

Under terms of the will of Hon. Samuel F. Hersey, who died in 1875, the City of Bangor was left a certain part of his estate, to become available in 1900 as a fund for educational purposes. The sum of \$100,000 was accepted by the City in 1883 in full of all claims against the Hersey estate, and the city government voted to use the entire sum for the establishment of a Public Library. The management of the legacy was entrusted to a board of five members, known as the "Trustees of the Income of the Hersey Fund," and consisting of the Mayor, the City Treasurer and three others, one elected each alternate year by the City Council for a term of six years. (City ordinances Chapter 22.)

These Trustees agreed with the "Bangor Mechanic Association" (which had for many years maintained a library and reading room for its members) to combine interests and establish the "Bangor Public Library," with the 20,000 volumes of the Mechanic Association as a nucleus, and its \$12,000 of invested funds and the \$100,000 Hersey fund as endowments. The "Trustees of the Income of the Hersey Fund" and four representatives chosen annually by the "Bangor Mechanic Association" constitute the "Board of Managers of the Bangor Public Library."

When in 1893 the question of erecting a library building began to be agitated, the "Board of Managers" was incorporated under state law as the "Board of Trustees of the Bangor Public Library" with power to acquire and hold real estate; the personnel of the two bodies being the same but their functions quite distinct.

The Trustees also administer the J. F. Patten fund of \$4000., bequeathed by Mrs. Grace D. Patten in 1900, in memory of her husband.

Attention is called to the full report of expenditures in construction and furnishing of new building as given in the Treasurer's Report.

Reports of the Treasurer

EVERETT F. RICH, Treasurer,

In account with Managers of Bangor Public Library

DR.

1915.

Jan. 19. For receipts for year ending this date

City of Bangor, annual appropriation.....	\$3,000 00
Interest on Hersey Fund.....	4,000 00
Income from Bangor Mechanic Association.....	720 00
Fines collected by Librarian.....	292 32
Cards and sundries.....	29 88
Interest on deposit, Second Nat'l Bank.....	85 15
	\$8,127 35

CR.

1915

Jan. 19. For disbursements for year ending this date

Salaries, Librarian, Asst. Librarian and As-	
sistants.....	\$6,450 42
Substitutes and extra work.....	581 74
Janitor and assistants.....	1,010 75
Treasurer.....	50 00
City of Bangor, heating building.....	1,250 00
Furniture, fittings, etc.....	296 77
Postage, stationery, blanks, etc.....	862 46
Printing.....	316 30
Janitor's supplies.....	123 11
Repairs, carpenter work, etc.....	216 43
Catalogue cards.....	375 68
Telephone and telegraph.....	53 94
Gas.....	45 64
City of Bangor, water (1 quarter).....	17 25

Travelling expenses Librarian to Conference	
American Library Association	54 82
Renewal Treasurer's bond	5 00
	\$11,710 31
Excess of expenditures for general expenses over income received	3,582 96
	\$8,127 35

EVERETT F. RICH, Treasurer,
In account with Managers of Bangor Public Library.

"Book Fund."

Dr.

1915.		
Jan. 19. To balance from previous year		\$28,040 18
Dividend, Penobscot Savings Bank	\$ 381 73	
Dividend, Bangor Savings Bank	216 74	
		598 47
		\$28,638 65

Cr.

By expenditures for books:	
Books, pamphlets, etc	\$7,938 10
Periodical subscriptions	475 93
Binding and repairs	1,063 01
Transportation (express, freight, postage, etc.) ..	137 22
Maps, prints, etc	59 20
	\$9,673 46
Transferred to "Art Fund" (for unexpended insurance money heretofore carried with book insurance)	606 81
	\$10,280 27
Balance of book fund	\$18,358 38

STATEMENT

Loaned to general expense account to meet current bills (on account of inadequate city appropriation).....	3,582 96
Deposit in Second National Bank.....	2,531 39
Deposit in Bangor Savings Bank.....	2,049 96
Deposit in Penobscot Savings Bank.....	10,194 07
	\$18,358 38

Respectfully submitted,

EVERETT F. RICH, Treasurer.

BANGOR, MAINE, January 15, 1915.

Having examined the foregoing report of Everett F. Rich, Treasurer, I find the same correctly stated and properly vouched, and the deposits as stated, \$14,775.42.

BERNHARD POE, Auditor.

EVERETT F. RICH, Treasurer,
In account with Trustees of Bangor Public Library

DR.

1914

Jan. 19. Balance on hand.....		\$7,257 67
Sale of \$20,000 Los Angeles, Cal. 4½% bonds		
at 99.....	\$19,800 00	
Interest accrued.....	215 00	
Five shares First Nat'l Bank stock at 150..	750 00	
Ten shares E. & N. A. R. R. stock at 110..	1,100 00	
Currier Estate settlement.....	607 04	
Interest on bonds and stocks		
Des Moines Electric Co.....	\$ 100 00	
Ea. Pennsylvania Power Co....	50 00	
United Traction & Elec. Co....	100 00	
Jacksonville Electric Co.....	100 00	
Utica & Mohawk Valley Ry. Co	45 00	
Racine Water Co.....	50 00	
Iowa Loan & Trust Co.....	45 00	
Minneapolis, Lyndale & Min-		
netonka.....	50 00	
Somerset Ry.....	50 00	
Kingman, Kans.....	20 00	
Milwaukce Elec. Ry. & Light.	25 00	
First National Bank div.....	25 00	
E. & N. A. Ry. Co., div.....	25 00	
Bangor Savings Bank div.....	67 40	
		752 40
Sale of grass from Currier Estate		12 50
Insurance rebate.....		13 98
		23,250 92
		\$30,508 59

Cr.

By disbursements

Geo. H. Wilbur & Son, on account contract.....	\$15,250 00
Geo. H. Wilbur & Son, for extras.....	434 49
C. H. Babb & Co., contract.....	1,363 00
C. H. Babb & Co., extras.....	22 56
Queen City Granite Co., steps, etc.....	271 15
Shepley Granite & Marble Works.....	8 00
B. Pol, clock.....	18 00
Sanitary Dust Removing Co., contract.....	190 00
Library Bureau, furniture.....	644 65
Huey Bros. Co., on account contract.....	1,608 60
Pettengill-Andrews Co., contract.....	367 16
Dole Company, contract.....	825 25
Dole Company, extras.....	759 06
Peabody & Stearns, architects.....	2,886 31
E. T. Burrowes Company, screens.....	312 00
F. T. Casey, grading.....	1,810 30
J. & J. T. Mullen, walks.....	191 01
M. H. Lancaster, walks.....	102 85
W. F. Perry, stone work grading.....	121 61
G. B. Derby Company, removing stumps.....	37 50
City of Bangor, Electrical Dept.....	930 74
Chandler & Co., furnishings.....	42 00
Rice & Miller Co., mats, etc.....	78 75
F. T. McGann & Sons, tablet.....	395 00
R. B. Dunning Co., fire extinguishers.....	140 00
R. B. Dunning Co., supplies.....	12 80
Fred E. Eldridge Co., painting.....	9 30
Freeland-Mann Co., et al, insurance on building...	1,324 51
E. F. Rich, Treas. and Secretary, salary.....	250 00
Renewal Treas. bond.....	20 00
A. J. Infiorati, lettering.....	29 95

 \$30,456 55

Deposit Bangor Savings Bank..... 52 04

 \$30,508 59

**Schedule of Securities Held by the Trustees
of Bangor Public Library**

	January 19, 1915.
City of Kingman, Kans. 4%, 1919.....	\$1,000 00
Des Moines Electric Co. 5%, 1938.....	2,000 00
Eastern Pennsylvania Power Co. 5%, 1939.....	1,000 00
Iowa Loan & Trust Company, 4½%, 1919.....	1,000 00
Jacksonville Electric Co. 5%, 1927.....	2,000 00
Milwaukee Electric Ry. & Light Co. 5%, 1926.....	1,000 00
Minneapolis, Lyndale & Minnetonka Ry. Co. 5%, 1919.....	1,000 00
Racine Water Co. 5%, 1931.....	1,000 00
Somerset Ry. Company 5%, 1917.....	1,000 00
United Traction & Electric Co. 5%, 1933.....	2,000 00
Utica & Mohawk Valley Ry. Co. 4½%, 1941.....	1,000 00
5 shares U. S. Worsted Co. 2d Pref. stock.....	500 00
Par value.....	<u>\$14,500 00</u>

I hereby certify that I have examined the foregoing account of Everett F. Rich, Treasurer of the Board of Trustees of Bangor Public Library, and find it correctly stated and sufficiently vouched, with \$52.04 on deposit, and the Securities \$14,500 in his custody as stated.

BERNHARD POL, Auditor.

BANGOR, MAINE, January 15, 1915.

**LIST OF SECURITIES RECEIVED FROM THE ISAAC M.
CURRIER ESTATE**

City of Kingman, Kans. 4%, 1919.....	\$1,000 00
Des Moines Electric Co. 5%, 1938.....	2,000 00
Eastern Pennsylvania Power Co. 5%, 1939.....	1,000 00
Jacksonville Electric Co. 5%, 1927.....	2,000 00
Milwaukee Electric Ry. & Light Co. 5%, 1928.....	1,000 00
Minneapolis, Lyndale & Minnetonka Ry. Co. 5%, 1919.....	1,000 00
Racine Water Co. 5%, 1931.....	1,000 00
Somerset Ry. Co. 5%, 1917.....	1,000 00
United Traction & Electric Co. 5%, 1933.....	2,000 00
Utica & Mohawk Valley Ry. Co. 4½%, 1941.....	1,000 00
E. & N. A. Ry. Co. stock, 10 shares.....	1,000 00
First Nat'l Bank stock, 5 shares.....	500 00
U. S. Worsted Co. 2d pref. stock, 5 shares.....	500 00
Par value.....	<u>\$15,000 00</u>

STATEMENT OF JANUARY 14, 1915

**E. F. RICH, Treasurer of Trustees of the Bangor Public Library,
In account with contractors of new building.**

Contractor	Contract	Paid	Bal. due
Warren H. Manning.....	\$ 239 71	\$ 239 71	
F. W. Chandler, prof. services....	550 00	550 00	
A. W. Longfellow, compt. designs..	200 00	200 00	
Parker, Thomas & Rice, same.....	200 00	200 00	
Bigelow & Wadsworth, same.....	200 00	200 00	
P. H. Coombs, blue prints.....	4 50	4 50	
Advertising for bids.....	97 47	97 47	
E. T. Casey et al, removing stumps.	104 88	104 88	
Mullen & Cyr Bros.....	7,419 41	7,419 41	
Geo. H. Wilbur & Son.....	102,411 79	101,682 25	\$ 729 54
Mosler Safe Co.....	150 00	150 00	
R. D. Kimball Co., prof. services..	189 61(?)	189 61	
City of Bangor, service pipes.....	20 85	20 85	
John Evans & Co.....	3,093 00	3,093 00	
Huey Bros. Co.....	8,207 00	7,207 00	1,000 00

C. H. Babb & Co.....	3,083 00	3,083 00
Dole Company.....	3,361 25	3,361 25
Snead & Company Iron Works....	10,097 00	
Same, supports and hangers.....	258 73	10,355 73
Library Bureau.....	4,588 00	4,588 00
F. S. Payne Company.....	1,320 00	1,320 00
Pettengill & Andrews Company...	1,836 60	1,836 60
Peabody & Stearns.....	8,586 31	8,586 31
Same, Mr. Rathbun.....	1,374 42	1,374 42
J. G. Hathorn, grading.....	379 33	379 33
J. M. Ward, changing manholes...	13 50	13 50
Martins Bros., shades.....	141 35	141 35
F. F. McGann & Sons Co., tablet..	395 00	395 00
Queen City Granite Co., steps.....	235 00	235 00
B. Pol, clock.....	18 00	18 00
Sanitary Dust Removing Co.....	190 00	190 00
City of Bangor, Electrical Dept....	930 74	930 74
Chandler & Co., portieres.....	42 00	42 00
A. J. Infiorati, lettering.....	29 95	29 95
Rice & Miller, rubber mats.....	71 40	71 40
Same, supplies.....	7 35	7 35
Library Bureau, extra furniture....	607 15	607 15
Geo. H. Wilbur & Son, extras.....	434 49	434 49
Fred E. Eldridge Co., extras.....	9 30	9 30
Shepley Granite & Marble Works, cleaning statue.....	8 00	8 00
E. T. Burrowes Company, screens...	312 00	312 00
J. & J. T. Mullen, walks.....	191 01	191 01
R. B. Dunning & Co., fire ex- tinguishers.....	140 00	140 00
Same, poultry netting.....	7 70	7 70
E. T. Casey, grading.....	1,810 30	1,810 30
W. F. Perry, mason work on grading	121 61	121 61
Dole Company, extras.....	759 06	759 06
G. B. Derby Co., removing stumps	37 50	37 50
M. H. Lancaster, walks.....	102 85	102 85
Queen City Granite Co., stone for manholes.....	19 35	

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CITY OF BANGOR

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Same, cleaning stone front ent...	16 80	36 15	
C. H. Babb & Co.....	22 56	22 56	
	\$164,646 83	\$162,917 29	\$1,729 54

EVERETT F. RICH, Treasurer of the Patten Fund,
In account with Trustees of Bangor Public Library

Dr.

1914

Jan. 20. To balance on hand..... \$ 172 27

1915

Jan. 20. Receipts to date:

Bangor & Aroostook coupons.....	\$ 50 00	
Iowa Loan & Trust Co., coupons.....	100 00	
Milwaukee Gas Co., coupons.....	40 00	
Dividend Bangor Savings Bank.....	6 22	
		196 22
		\$ 368 49

Cr.

By disbursements:

Leary, Stuart & Co.....	\$ 285 39	
E. F. Dillingham.....	40 19	
		\$325 58
Balance in Bangor Savings Bank.....	42 91	
		\$ 368 49

The following items show the investment of the Patten Fund for the Bangor Public Library, in custody of Everett F. Rich, Treasurer.

Bangor & Aroostook R. R. Co. Piscataquis Div. No. 76, due Jan. 1, 1943	\$1,000 00
Iowa Loan & Trust Company 5%, due 1922	2,000 00
Milwaukee Gas Company, First Mortgage 4% due May 1, 1927, No. 2739	1,000 00
	\$4,000 00

I hereby certify that I have examined the foregoing account of Everett F. Rich, Treasurer of the Trustees of Bangor Public Library on account of the Patten fund and find it correctly stated and sufficiently vouched, and the balance, \$42.91, deposited in Bangor Savings Bank, and the Securities, \$4,000, in his custody as stated.

BERNHARD POL, Auditor.

BANGOR, MAINE, January 15, 1915.

EVERETT F. RICH, Treasurer of the Art Fund,

In account with Trustees of Bangor Public Library.

Transferred from Book Fund for insurance money
and accumulated interest

Deposited in Bangor Savings Bank

\$ 617 41

Respectfully submitted,

EVERETT F. RICH, Treasurer.

BANGOR, MAINE, January 15, 1915.

Report of the Librarian

To the Board of Managers of the Bangor Public Library:

I have the honor to submit the 32d annual report of the Bangor Public Library covering the calendar year 1914.

This is the first entire year that the institution has been under my direction and the first year in the new building.

SIZE AND GROWTH

The number of volumes in the Library on Jan. 1, 1914, was 22,282. During the year there has been a net gain of 9,532 volumes, an increase unprecedentedly large.

The total additions, 10,134 volumes, included 5,062 purchased, 4,703 given, 352 by binding periodicals, and 17 miscellaneous.

602 volumes have been removed, including 304 duplicates, 273 books worn out and 25 others. Most of the "worn out" books are complete and good enough for one or two more readings. We have sent a considerable number to the Thomaston State Prison whose warden assures us they are most welcome there.

Number of volumes in the Library Jan. 1, 1915, 31,814.

As stated in our last annual report "Pamphlets," as such, are no longer recognized in our records or statistics. Pamphlets of a serial nature (published quarterly or oftener) are enumerated as "Serials"; while others of value are accessioned and catalogued as books and either permanently bound or put in temporary covers; and the remainder, of less importance,

merely classified and placed in vertical files, without enumerating, being thrown away when usefulness is past."*

The opening of 1914 found us with many boxes of older gift material which had accumulated in the cramped quarters at the Court House. All these books have been unpacked, accessioned and numbered; and the larger part catalogued and shelved for use.

With the arrears of work so nearly brought up it became possible for the first time to buy and handle current works in a fitting manner. This has been done during the final quarter of the year and henceforth it shall be our policy to give the Bangor public the best of the new books promptly.

In this period especially, extensive additions have been made to the books in the Juvenile Department, and we have purchased a large selection of titles on the European war and the countries involved. The needs of the various study clubs have also been considered.

We have no wish to appear unduly optimistic:—the collection of books is neither a well-rounded one nor adequate for Bangor's needs. The gaps in it are numerous and extensive. Scarcely a day passes without a call for standard or classic works which we ought to possess and shall have in the future.

The large additions of the year have severely taxed the small cataloguing force and placed a limit on our rate of growth; but I have no hesitation in stating that two or three years continuance in the policy followed in 1914 will give Bangor a working Library of which she may be proud.

Statistics may be found in Appendix A-C.

*A fuller discussion of our treatment of pamphlets may be found in the Bulletin of the Maine State Library for Oct. 1914.

OPENING, REGISTRATION AND CIRCULATION, 1914

The Library has been open every day through the year from 9 a. m. to 9 p. m., except Sundays and those legal holidays on which the banks were closed. The former practice of closing Saturday afternoons during the summer has been given up, and from the large use of the Library at those times it seems that the change is appreciated.

3,710 adults and 1,522 children have had cards during the year; a total of 5,232, or something above one-fifth of the population. These users of the Library have had 8,035 cards.

Four cards were issued to non-residents.

The total circulation for the year was 75,682; being nearly 14 and 1-2 books per card holder, or 3 and 5-100 books for every inhabitant of Bangor under the last census, or an average circulation of 3 and 38-100 times for each book in the library at the opening of the year.

Of the works issued 9,266 were classed as "General works" (chiefly unbound magazines) and 51,663, or 68 and 4-10 per cent, were Fiction.

During the last quarter of 1914 we have effected an entire change in our method of charging books, adopting a modified form of what is known as the Newark system, with permanent card instead of temporary slip for book record. This change will certainly relieve the rush at the desk by cutting down time necessary to loan a book by one-half or more; and it is hoped it will also serve to lessen mistakes. The installation of the new system and its application to 30,000 volumes was an undertaking of considerable magnitude.

Statistics of registration and circulation are given in Appendix D-G.

DELINQUENT BORROWERS

Overdue books, as usual, have caused considerable trouble, requiring postal notices, occasionally second notices, and in rare instances, special messengers. The records show a loss of 18 books, of which 5 have been replaced.

The sum of \$281.67 has been collected in fines during 1914, and the close of the year finds 197 individuals (88 adult and 109 children) deprived of the use of the Library for non-payment of fines or for injury to, or destruction of, Library property. It will be recalled that all back fines and dues were remitted when we came to the new building in Dec., 1913.

Statistics are given in Appendix H.

GIFTS

The gifts recorded this year have been above the average in number, but this is in part owing to the fact that many large donations of 1911-1913 had never been accessioned till now.

A considerable number of our gifts, duplicating material already here, are not added to our collection, but laid aside for exchange.

We are adopting a new classification of gifts, as follows:

- I. Books and pamphlets. 6133 in 1914.
- II. Serials (incomplete and unbound numbers). 11416 in 1914.
- III. Others (including maps, pictures, statuary and other museum material). 56 in 1914.

For list of donors see Appendix K.

SERIALS

In 1914 the Library received 224 current serials during the whole or a considerable part of the year. We were subscribers to 87 of these, while 137 were presented.

As heretofore there have been extra copies taken of a number of the popular magazines and these extra copies circulate as books for a 3 day period.

The magazines are all preserved and many of them bound when volumes are completed.

With the purpose of placing the best in periodical literature before our readers, 65 of the leading magazines, with six daily papers, are kept on file in the main Reading Room where they can be used without even the formality of asking for them.* 6 other periodicals, suitable for children, are to be found on the tables in the Juvenile Department. The remainder of our current serials have a convenient section of the main stack assigned to them.

In addition to these files of current periodicals one entire end of the stack basement is devoted to miscellaneous serials, arranged alphabetically on shelves and floor. This includes not only sample or odd numbers, but extra copies of those we have elsewhere in the Library. These have been arranged, and many will be bound some day.

A list of serials currently received in 1914 will be found in Appendix L.

NEWSPAPERS

Of the six daily papers coming to the Library, three are preserved and bound: "Bangor Daily Commercial," "Bangor Daily News" and "New York Times" (the last named, in connection with its printed quarterly indexes forming an especially valuable reference work).

*A small selection of technological and special periodicals has been included, but their use scarcely seems to justify the outlay.

The destruction of the remarkable collection of Bangor papers was in some ways the most irreparable loss in the fire of 1911; but we have already made a fair beginning in replacing them.

The following files are in our custody, the ownership of each being indicated (Bangor City Government, Bangor Historical Society, and Bangor Public Library).

We also have many single numbers of early Bangor papers, which are carefully preserved.

Bangor Register and Penobscot Advertiser. vol. 6, 1821.
(B. P. L.)

Penobscot Freeman. vol. 1, 1834-35 (B. H. S.)

Bangor Commercial Advertiser. vol. 1, no. 1-42, 1835-36.
(B. H. S.)

Bangor Daily Whig and Courier. vol. 3-67, 1836-1900
(wanting April-June 1845) (B. C. G.)

Mechanic and Farmer. vol. 4, 1838-39. (B. P. L.)

Bangor Daily Mercury. Oct. 15, 1844-Apr. 12, 1845.
(B. P. L.)

Bangor Jeffersonian. vol. 1-22, 1849-1870. (B. H. S.)

Same. vol. 1-17. (B. P. L.)

The Democrat. vol. 19, 1856-57. (B. H. S.)

Bangor Daily Commercial. v. 7. 1878. (B. P. L.)

Bangor Daily News. March 1900-Dec. 1901. (B. C. G.)

Bangor Daily News. Jan. 1902-Dec. 1913 (B. P. L.)
(wanting Jan., Feb., May, June, Sept., 1902; Jan., May,
Aug., Sept., Dec., 1903; Dec. 1904; July, 1905; Mar.,
Oct., Dec., 1906; Apr., Oct., 1907; Jan. 1908; Mar.,
May, June, 1911; May, June, July, Aug., Sept., Oct., 1913.)

READING AND REFERENCE ROOMS

These are departments whose growth and popularity has been steady and gratifying. The Bangor public, deprived of all such

conveniences since the fire of 1911, is slowly realizing that they are now available.

The Reference Room contains the most used reference works; dictionaries, cyclopedias, etc.—in fact as many as the shelving will hold, with a special attendant usually on duty to give assistance and answer questions.

In our Reading Room no books are permanently shelved. Two of the cases and usually one or more of the tables are occupied by selections of the Library's resources on various subjects of popular interest, withdrawn from circulation for short periods. Another case is for the "A" or reserved copies of new fiction for Reading Room use only. In this room are also found the periodical cases, on which 65 of the best and most popular magazines are displayed. Outside of the classes of material just enumerated, of course any book in the main collection may be called for by readers for use in these rooms.

In addition to many lists for clubs and individuals, and a number of very small selections of books of specially transient interest, there have been prepared pretty complete reference lists of the Library's resources on the following topics (those starred being the ones of which we have copies for general distribution, thanks to the purchase of a duplicating machine in the fall).

Present Day Mexico

The South Pole

The Railroad Problem in the United States, particularly in
its New England Aspect

Andersonville Prison

Woodrow Wilson

Napoleon and His Times

Books for Gardeners

China, Ancient and Modern

Roadmaking in the United States

The United States and Mexico. 1845-1848

*Home Economics

Forests and Forestry

Accounting

Commission Government

*Shakespeare, His Life and Art

Handicrafts, Practical and Artistic

*Music and Musicians

*Immigration as a National Problem.

*Social Service

*Fruits and Fruit Growing

Regarding the largest and far the most important uses of these rooms: consultation of the books shelved there and assistance given to readers, it is impracticable to give any statistics. We can record only the comparatively insignificant factor of books actually brought to readers from the main collection for reading room use.

Large roller maps have been purchased, covering the more important countries of the earth, and displayed on light frames specially designed by us, and convenient for use in Lecture room on the upper floor when needed.

Statistics are given in Appendix I.

JUVENILE DEPARTMENT

These rooms are perhaps the most attractive in the building. Here are kept practically all the children's literature we possess, and the "open shelf" system is in use, save that a few books, especially fine or valuable, are in locked cases and given out only when asked for.

One assistant is on duty here all the time, and two during the busiest periods. It has not been possible to keep statistics of

the use of books in the Library. 9,579 children were enumerated as readers during the year; not counting those who came merely to borrow or return books. The department had 1,522 card holders, and a circulation of 20,821 books for home use in 1914.

In the latter half of the year particular attention was given to the strengthening of this department of the Library. In connection with the preparation of lists of books for the school grades (mentioned elsewhere), between 400 and 500 new books were ordered at one time. Desirable works are continually being purchased for children's use.

"Story hours" for children between the 3d and 5th grades began in April, and have been continued Saturdays since, through the school year. During the Christmas holidays four formal story hours were held, and about 6 hours additional devoted to informal readings. These features are very popular with our young folks, but the smallness of our staff seems to preclude any large extension of the work under present conditions.

For the various holidays of the year appropriate picture bulletins and books were displayed. These have helped the children with their school work while furnishing seasonable and attractive reading.

In December a special exhibit of nearly 250 children's books was held in the large room. As especially at Christmas time many attractively bound masterpieces of "trash" are shown in the stores, this exhibit was planned to help parents, and all others who buy books for children, to a wise and economic selection. Yet on account of insufficient advertising it was not so widely used as it might have been.

Statistics of readers in this department are given in Appendix J.

THE STAFF

The Library staff during the year has consisted of the Librarian, the Associate Librarian and 8 Assistants.

At the time of the opening of the new building in Dec. 1913, in addition to the four older assistants (Misses Mayberry, Wayland, Bolton and Rand); four new provisional appointments were made: Miss Cynthia M. Emery, Miss Carrie F. Rich, Miss Nellie L. Bullock and Miss Hortense E. Harding. Miss Emery, who was placed in charge of the Juvenile Department, resigned before the annual meeting in Jan., 1914 and Miss Pauline M. Murphy was nominated in her place, the four being elected as assistants by the Board of Managers.

Miss Harding resigned in August, 1914 and Miss Marguerite Mills was selected as her successor, subject to confirmation by the Board. Miss Rich has been on special leave of absence during most of the year at the Bangor Theological Seminary, on account of the illness of Prof. Ropes, the librarian. Her place is taken by Miss Elisabeth H. Chapman.

Owing to pressure of work especially in cataloguing, Miss Mary E. Casey one of our substitutes has been on duty continuously during the closing months of the year, chiefly engaged in typewriting.

The Associate Librarian, Mrs. Curran, has had entire charge of accession and classification, with some assistance from Miss Murphy. Miss Mayberry is our head cataloguer, assisted by Miss Rand and Miss Murphy, with Miss Casey as typewriter. Miss Wayland serves as reference librarian, helping readers, preparing lists, etc., and has also attended to the binding. Since Miss Emery's resignation in January, Miss Bolton has had charge of the Juvenile Department, with the assistance of Miss Mills and others. Miss Rand has had general supervision

of the loan department and Miss Bullock has served as the Librarian's secretary and order clerk.

All the younger assistants have worked at the loan desk a large proportion of their time, as also such substitutes as we have been obliged to employ.

The close of the year finds 4 substitutes on our list, subject to call when needed.

CLASSIFICATION AND CATALOGUING

The library catalogues are in the same condition as last year—that is, we have four separate card catalogues. The printing of a fiction list, work on which has already been begun, will greatly simplify matters by consolidating the Old and New fiction card catalogues, which will (when printing is completed) be incorporated into the New Non-Fiction catalogue to form our Main catalogue.

There will also be a new Supplementary fiction list, kept up to date.

That will leave only the old Non-Fiction catalogue outside the Main card catalogue and that also will be absorbed into the latter as rapidly as possible: a beginning has been lately made in this work.

The public has seemed to appreciate the typewritten bulletins of titles and library numbers of latest accessions posted on the board at the right as one enters the Delivery hall from the street. They have been issued on an average of over three a month, or 39 during the year—not by any means covering all our accessions, but only the newest and most popular works.

PUBLICATIONS

The "Bangor Daily News" has continued to print classified lists of our accessions through a considerable part of the year. One set is clipped and kept on file at the Library.

Our printed publications have been the Annual report of 1913 (reissued from the Bangor city reports) and printed leaflets of "Books on Accounting in the Bangor Public Library, April, 1914" and "Periodicals currently received at the Bangor Public Library, April, 1914."

Since the purchase of a duplicating machine in the summer, our reference lists have been issued in such editions as to serve practically as printed lists. (See under heading "Reading and Reference Rooms")

The completion and occupancy of our new building has called forth several notices more or less extended, aside from the space devoted to it by the local newspapers. The "Industrial Journal," Bangor, has illustrated articles on the building from the pen of its editor E. M. Blanding, in the Dec., 1913 and Jan., 1914 issues; the "Library Journal," New York, for March, 1914 had an illustrated descriptive sketch by the Bangor librarian; and the "Bulletin of the Maine State Library," Augusta, for April, 1914 contained a view and description of the building, drawn from our "Handbook" of 1913.

Several series of photographs of the new building, both exterior and interior have been taken, and it is believed that the Library possesses nearly all of them.

THE LIBRARY AS AN EDUCATIONAL CENTRE

The modern public library fulfills a very small part of its duty if content to merely procure and loan good books to borrowers. If it is to be indeed the "People's University," there is scarcely any limit to its functions in the community, and we certainly shall not attempt to define them.

In some respects our situation is peculiarly fortunate—adjoining the new High School building and so near the centre

of the city. By a vote of the Board of Managers, the small lecture hall on the second floor, seating 120, is free for all educational, scientific or literary purposes, its assignment being left to the Librarian. It has been used for regular or special meetings by the Bangor Historical Society; Norombega Club; Athene Club; Nineteenth Century Club; Francis Dighton Williams chapter, D. A. R.; Alliance Française; Young Women's Christian Association; Campfire Girls; Fotocraft; Schumann Club. The Library itself has done all in its power for the convenience of these organizations, furnishing maps, books and other material as desired. The relations between the Library and the various study clubs, whether or not they meet in the building, is a very close one—files of their programs are kept in the Library and their needs considered in purchase of books.

During the first half of June "Fotocraft" held an art exhibition in the History and Fine Arts room, across from the lecture room. This was most favorably received by art lovers. The Bangor Historical Society, since the installation of its beautiful new cases in the same room, has been filling them with appropriate material, so residents and visitors to the city are finding it a place well worth seeing. This Society closes the year with a special historic exhibit commemorating the War of 1812 and the Treaty of Ghent which terminated it.

We have also embarked in two new lines of work which may be extended later. Among the foreign groups in Bangor is a small and transient colony of Russians, chiefly younger unmarried men who work as woodsmen during the season. They have the rudiments of education only. In the spring we purchased a small selection of works in Russian; stories, popular science, descriptive works, etc., and set aside a table in the Reading Room for their use. The results have been on the whole gratify-

ing: for months the table had from two to eight readers at all hours and a number took out library cards. The wear that the books received is witness to their use.

A friend of the Library called to our attention that a number of ambitious young people were likely to be interested in the science of Accounting. As an experiment we went at considerable trouble to procure from experts an extended list of the best books on that subject, then purchased the books, and printed a leaflet giving their titles. This was mailed to all the manufacturing and large business houses, the lawyers and such individuals as we could learn of, and parcels left at the Law school, the business colleges and the High school, 300-400 in all. Here the result has been even more satisfactory, both in bringing to the Library a class of readers who use it but little, and stimulating the circulation of a section of books distinctly educational.

By way of calling the attention of the public to the Library, printed cards bearing a picture of the building and neatly framed have been placed in the railroad stations, Chamber of commerce and hotels.

With the same idea in view the Librarian has accepted various invitations to talk on the Library and its work, before local church societies.

SPECIAL WORK WITH THE SCHOOLS

The advice and co-operation of the public school teachers is invited in suggesting books for use in their courses. Books are loaned to the Schools without limit or restriction as to time or number. The past fall we prepared lists of books suitable for general reading by pupils in the 3d to 9th grades, including both children's classics and newer books; 20 on each list. These were printed by the Superintendent of Schools and dis-

tributed to every pupil in those grades. To meet the increased demand we purchased extra copies of those books, and by virtue of greatly increased accessions during the year now have a fairly well equipped Children's Department.

The Librarian also gave a brief talk to all 6th grade pupils in the city schools early in the Fall, distributing application blanks to each one. He is now introducing a short course on books and libraries in the High School, which will hereafter be a part of the curriculum. This is to come in the second year of the course and will include a series of lectures to the class as a whole and special talks and explanations at the Library building to small groups.

LIBRARY MEETINGS, AND RELATIONS WITH OTHER LIBRARIES

The regular meeting of the American Library Association was held in Washington, D. C., in May, 1914 and the Librarian attended.

In place of the regular Maine summer library school the State Library Commission held a series of seven district meetings or library institutes in various parts of the state, concluding with a meeting in the Bangor Public Library, October 14 and 15, 1914. While the attendance was small, it is believed the help and stimulus it gave to the librarians, especially those of the smaller towns, was very valuable.

The annual meeting of the Maine Library Association was held in Portland this year in conjunction with the Maine Teachers' Association, on Oct. 29 and 30. The librarian again represented this Library, and was chosen president of the Association for 1914-15.

During the year we have borrowed books for our readers from the Boston Public Library, Bangor Theological Seminary

Library and University of Maine Library, and have loaned certain of our books to the last named.

Under an agreement with the Bangor High School Library, the two libraries are working in harmony and duplicating only those works indispensable to each. We receive a card for every work added to that Library.

We also have lists of all periodical sets in the Bangor Theological Seminary Library and University of Maine Library, and these are especially useful because we have replaced so few of the older periodical sets lost by fire. Still farther cooperation with the latter library is under present consideration.

BANGOR HISTORICAL SOCIETY

This body has its headquarters in this building, and the relations between the two institutions has always been close. The Society's historic relics are displayed in two beautiful cases in our History and Fine Arts Room on the 2d floor, and in view of its considerable collection of books and pamphlets, received by gift and exchange, it has seemed wise and equitable that the Library should take care of the recording of this with the privilege of cataloguing and using for reference in the building such as it may desire, thus saving expense of purchasing much material we should be glad to have.

WORK BEFORE US

Without in any way ceasing our efforts to get the best of the new books, it will be our duty in the next year or two to make large purchases of standard works, reference books, classics, etc. We have received all U. S. government publications since the fire; the Congressional series are on the shelves in order; also departmental publications, appearing in bound form.

Those unbound however have never been catalogued or arranged and must be attended to in the near future, and files completed as far as possible. The Superintendent of Documents is ready to send us the files of the earlier Congressional documents, as well as many departmental publications just as soon as we are ready to receive them. Two other collections await our attention: the remainder of the Pamphlets listed in the old "pamphlet record book," several hundred pieces, never catalogued; and a large accumulation of unbound magazines. These last have been carefully assorted, and many volumes will be bound during the coming year.

Another need, even more pressing, is the consolidation of our four card catalogues into one, which has been alluded to elsewhere.

The work with the schools is only in its infancy; various schemes of co-operation are under consideration with the educational authorities.

Probably the Library neither can nor should afford the time and outlay necessary to build up a real art department; we do have in mind a collection of pictures for illustrative, educational and bulletin purposes, and have begun to gather material for it.

Within a year or two I believe we should adopt the plan, in common use among important libraries, of issuing a printed bulletin monthly or bi-monthly, giving our new books, and probably also one or more of our library reference lists in each issue; these bulletins to be free to our patrons.

Every line of our work has grown and multiplied so largely during the past year that it is doubtful if we can with our present force make any large advance beyond the routine work in a single year.

Respectfully submitted,

CHAS. A. FLAGG, Librarian.

BANGOR, Jan. 15, 1915.

APPENDIXES

APPENDIX A

GROWTH OF THE LIBRARY IN 1914 BY CLASS

	In Library Jan 1. 1914	Net addition in 1914	In Library Jan. 1, 1915
General works.....	2,430	845	3,275
Philosophy.....	241	137	378
Religion.....	791	469	1,260
Sociology.....	3,260	1,979	5,239
Philology.....	251	72	323
Natural science.....	853	464	1,317
Useful arts.....	1,215	1,154	2,369
Fine arts.....	851	386	1,237
Literature.....	1,616	367	1,983
Poetry & Drama.....	1,688	283	1,971
Fiction.....	3,627	987	4,614
History.....	2,633	1,303	3,936
Description.....	1,096	500	1,596
Biography.....	1,730	586	2,316
Total.....	22,282	9,532	31,814

APPENDIX B

GROWTH OF THE LIBRARY IN 1914 BY SOURCE

Number of volumes in Library January 1, 1914	22,282
Additions	
By purchase.....	5,062
gift.....	4,703
binding periodicals.....	352

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CITY OF BANGOR

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Replaced by loser.....	1	
Exchange with Library of Congress.....	11	
Other exchanges.....	1	
Charged before fire and now returned.....	4	
Total gain.....		10,134
Withdrawals		
Worn out.....	273	
Duplicates removed.....	304	
Charged and not returned.....	13	
For contagious disease.....	4	
Lost and replaced.....	2	
Lost and paid for.....	3	
Returned to giver.....	1	
Burned at borrower's residence.....	2	
Total loss.....		602
Net gain during 1914.....		9,532
Number of books in Library January 1, 1915..		31,814

APPENDIX C

BINDING AND REPAIR 1914

Volumes of serials sent to bindery.....	518
Books sent for binding or rebinding.....	919
Total.....	1,437
Repaired at the Library.....	284

APPENDIX D

REGISTRATION

	Main Library	Juvenile Dept.	Total
Number of registered card holders.....	3,710	1,522	5,232
Number of persons having study cards.....	1,423	9	1,432

Number of ordinary cards issued.....	4,650	1,724	6,374
Number of study cards issued.....	1,652	9	1,661
Total of cards issued.....	6,302	1,733	8,035

APPENDIX E

CIRCULATION BY CLASS, 1914

	Main Library	Juvenile Dept.	Total
General works including unbound periodicals..	8,101	1,165	9,266
Philosophy.....	334	2	336
Religion.....	388	74	462
Sociology.....	953	1,036	1,989
Philology.....	93	66	159
Natural science.....	421	186	607
Useful arts.....	1,067	408	1,475
Fine arts.....	1,104	251	1,355
Literature.....	1,517	731	2,248
Poetry.....	613	428	1,041
Fiction.....	36,454	15,209	51,663
History.....	1,104	270	1,374
Description.....	1,313	520	1,833
Biography.....	1,499	475	1,974
Total.....	54,861	20,821	75,682

APPENDIX F

CIRCULATION BY MONTH, 1914

	Main Library	Juvenile Dept.	Total
January.....	5,198	2,540	7,738
February.....	5,642	2,528	8,170
March.....	5,749	2,744	8,493
April.....	4,878	1,839	6,717
May.....	3,999	1,218	5,217
June.....	3,836	962	4,798
July.....	3,773	1,017	4,790

1915]	CITY OF BANGOR		227
August.....	3,753	860	4,613
September.....	3,804	673	4,477
October.....	4,695	1,729	6,424
November.....	4,761	2,580	7,341
December.....	4,773	2,131	6,904
Total.....	54,861	20,821	75,682

APPENDIX G

GROWTH AND CIRCULATION FOR 5 YEARS

Year	Books in Library Jan. 1	Circulation
1910.....	68,434	78,657
1911.....	69,845	22,755 (May-Dec.)
1912.....	7,127	54,259
1913.....	13,203	57,918
1914.....	22,282	75,682
1915.....	31,814	

APPENDIX H

OVERDUE BOOKS

Notices sent in 1914.....	3,007
Second notices.....	59
Fines collected.....	\$281 67
Books lost and paid for.....	5
Books lost and not paid for.....	13

APPENDIX I

BOOKS FROM STACK USED IN READING ROOM

BY CLASS

General works including unbound periodicals.....	420
Philosophy.....	35
Religion.....	26
Sociology.....	127
Philology.....	20

Natural science.....	92
Useful arts.....	207
Fine arts.....	175
Literature.....	51
Poetry.....	229
Fiction.....	192
History.....	87
Description.....	102
Biography.....	168
Total.....	1,921

By MONTH

January.....	390
February.....	242
March.....	223
April.....	144
May.....	130
June.....	107
July.....	64
August.....	58
September.....	102
October.....	177
November.....	174
December.....	110
	1,921

APPENDIX J

READERS IN JUVENILE DEPARTMENT

January.....	1,019
February.....	1,056
March.....	1,177
April.....	1,012
May.....	458
June.....	393

1915]	CITY OF BANGOR	229
July.....		395
August.....		319
September.....		313
October.....		1,053
November.....		1,237
December.....		1,147
		9,579

APPENDIX K

GIFTS TO THE LIBRARY DURING 1914

Givers	Books & Pamphlets	Serials	Other
Academy of Natural Science, <i>Philadelphia, Pa.</i>	1		
Academy of Political Science, <i>New York City</i>	2		
Adams, Dr. Charles E., <i>Bangor</i>	106		
Alexander, Mrs. Stella H., <i>Wellesley, Mass.</i> ...	1		
American Association for International Conciliation, <i>New York City</i>	5	12	
American Association for Labor Legislation, <i>New York City</i>	8		
American Congregational Association, <i>Boston</i>	1		
American Economic Association, <i>Baltimore, Md.</i>	3		
American Humane Educational Society, <i>Boston, Mass.</i>		4	
American Irish Historical Society, <i>New York City</i>	1		
American Iron and Steel Institute, <i>New York City</i>		11	
American Library Association, <i>Chicago, Ill.</i> ...	1		
American Library Association, <i>Publishing Board, Chicago, Ill.</i>	2		
American Social Hygiene Association, <i>New York City</i>	7		

	Books & Pamphlets	Serials	Other
American Society of Landscape Architecture, <i>Harrisburg, Pa.</i>		1	
American Telephone and Telegraph Com- pany.....	10		
Ancient and Honorable Artillery Company, <i>Boston, Mass.</i>	5		
Anderson, John R., <i>New York City</i>	1		
Anderson, Mrs. Mary.....	3		
Appleton, D. & Co., <i>New York City</i>	1		
Archaeological Institute of America, Wash- <i>ington, D. C.</i>		4	
Associated Press, <i>New York City</i>	2		
Association of Life Insurance Presidents, <i>New York City</i>	6		
Atlantic Deeper Waterways Association, <i>Philadelphia, Pa.</i>		12	
Austin, Mrs. Lillian D., <i>Wellesley, Mass.</i> ...	3		
Baldwin, Miss Charlotte A., <i>Augusta, Me.</i> ...	3		
Bangor, City of.....	3		
Bangor & Aroostook R. R. Co.	2		
Bangor Chamber of Commerce.....	53		
Bangor Children's Home.....	21		
Bangor Christian Science Association.....		64	
Bangor Committee of One Hundred.....	3		
Bangor Daily News.....		1	
Bangor High School.....		3	
Bangor Historical Society.....	1		
Barker, Mrs. Margaret A., <i>Bangor</i>	89		
Barker, Miss Sarah C., <i>Estate, Bangor</i>	55		
Bartholdt, Hon. Richard, <i>Washington, D. C.</i> ..	1		
Bartlett, Mrs. Annie H., <i>Portland, Me.</i>	52		
Battles, Rev. Amory, <i>Estate, Bangor</i>	2		
Beal, Hon. F. O., <i>Bangor</i>	1		
Bibliotheca Sacra Company, <i>Oberlin, Ohio</i> ..	1		

	Books & Pamphlets	Serials	Other
Bierer, Everard, <i>Representative, New York City</i>	3		
Billings, F. M., <i>Bangor</i>	2		
Blanding, Edward M., <i>Bangor</i>		1288	
Bliss, Mrs. Charles E., <i>Bangor</i>	9	403	
Boardman, Samuel A.	1		
Boardman, Mrs. Samuel L., <i>Bangor</i>	1		
Bolton, Miss Grace H., <i>Bangor</i>	1		
Boody, John S. F.....	1		
Boston Insurance Company, <i>Boston, Mass.</i> ...	1		
Boston Museum of Fine Arts, <i>Boston</i>		6	
Boston Public Library, <i>Boston</i>	2		
Boston University, <i>Boston</i>	1		
Boston Women's Municipal League.....	1		
Bosworth, Giles B., <i>Denver, Col.</i>	1		
Bourne, Augustus L., <i>Bangor</i>	1		
Boutelle, Mrs. Edward P., <i>Bangor</i>	1		
Bowdoin College, <i>Brunswick, Me.</i>	25		
Bowler, Mrs. John T., <i>Bangor</i>	2		
Boy Scouts of America, <i>New York City</i>		10	
Bragg, Charles Fred, <i>Bangor</i>	4		5
Brentano's, <i>N. Y.</i> , for publisher of <i>Illustrirte-Zeitung, New York City</i>	1		
Brett, Victor, <i>Bangor</i>	2		
Bright, Joseph M., <i>Bangor</i>	18		
Brooklyn Institute of Arts and Sciences, <i>Brooklyn, N. Y.</i>		8	
Brooklyn Public Library, <i>Brooklyn, N. Y.</i> ...	1	4	1
Brown and Guesner, <i>Minneapolis, Minn.</i> ...	4		
Brown University, <i>Providence, R. I.</i>	1	10	
Bryn-Mawr College, <i>Bryn-Mawr, Pa.</i>	1		
Bureau of Railway Economics, <i>Washington, D. C.</i>	16	2	
Burleigh, Hon. E. C., <i>Washington, D. C.</i>	1		

	Books & Pamphlets	Serials	Other
Burlington Free Public Library, <i>Burlington, Iowa</i>	1		
Burr, <i>Misses Harriet and Ella, Bangor</i>	21		
Buzzell, <i>Mrs. James C., Bangor</i>	19	239	
Carleton, <i>Franklin A., Bangor</i>			1
Carnegie Endowment for International Peace <i>Washington; D. C.</i>	4		
Carnegie Hero Fund Commission, <i>Pittsburgh, Pa.</i>	1		
Carnegie Institute, <i>Pittsburgh, Pa.</i>	3		
Case School of Applied Science, <i>Cleveland, Ohio</i>	1		
Chelsea Public Library, <i>Chelsea, Mass.</i>	1		
Chicago Board of Supervising Engineers....	2		
Chicago Civic Federation.....	3		
Chicago Municipal Reference Library.....	6		
Chicago School of Civics and Philanthropy..	1		
Clapp, <i>Miss A. L., Winterport, Me.</i>	16		
Clark, <i>Miss Elizabeth L., Bangor</i>	5		
Clark, <i>Mrs. Jonathan G., Bangor</i>	20	137	
Clark University, <i>Worcester, Mass.</i>	1		
Clews, <i>Henry, New York City</i>	1		
Clifford, <i>Fred H., Bangor</i>	3		
Coburn Classical Institute, <i>Waterville, Me.</i> ...	1		
Colby College, <i>Waterville, Me.</i>	14		
Coleman, <i>George W., Boston, Mass.</i>	1		
College of Dental & Oral Surgery, <i>New York City</i>	1		
Collier, <i>Rev. Christopher W., Bangor</i>	4		
Colorado College, <i>Colorado Springs, Col.</i>	1		
Colorado University, <i>Boulder, Col.</i>	1		
Columbia University, <i>New York City</i>	1		
Committee of Coal Mine Managers, <i>Denver, Colorado</i>	1		

	Books & Pamphlets	Serials	Other
Connecticut Library Commission, <i>Hartford, Conn.</i>	4		
Connecticut Mutual Life Insurance Company, <i>Hartford, Conn.</i>	1		
Connecticut State Library, <i>Hartford, Conn.</i>	1		
Cook, Thomas & Son, <i>New York City</i>		2	
Coolidge, Asenath C.....	2		
Coombs, Miss Bessie.....	2		
Cork, <i>Ireland</i> , Carnegie Free Library.....	1		
Cornell University, <i>Ithaca, N. Y.</i>	1	5	
Corwin, M. B., <i>Cincinnati, Ohio</i>		5	
Crane, Mrs. Caroline B., <i>Kalamazoo, Mich.</i>	6		
Crosby, James H., <i>Bangor</i>	16		
Curran, Mrs. Mary H., <i>Bangor</i>	7		
Curran, William F., <i>Bangor</i>	3		
Curran, Mrs. William F., <i>Bangor</i>	1		
Currier, Isaac, <i>Estate, Bangor</i>	2		
Curtis, Miss Sophia, <i>Sheffield, Mass.</i>	1		
Cutler, Rev. Charles H., <i>Bangor</i>	12		
Daggett, W. P., <i>Orono</i>	3		
Daily Kennebec Journal, <i>Augusta, Me.</i>		6	
Dakin, Miss Florence, <i>Bangor</i>	2	63	
Dartmouth College, <i>Hanover, N. H.</i>	2		
Daughters of the American Revolution, <i>Frances Dighton Williams chapter, Bangor</i>	1		
Daughters of the American Revolution, <i>National Society, Washington, D. C.</i>		5	
Davenport, Mrs. Frederic S., <i>Bangor</i>	5		
Dean Hicks Company, <i>Grand Rapids, Mich.</i>		2	
Dennett, Dr. William S., <i>New York City</i>	70		6
Dillingham, Edwin F., <i>Bangor</i>	84		
Doane, Mrs. W. W., <i>Bangor</i>	4		
Dorne, Mrs. Nelly Waterhouse, <i>San Francisco, Cal.</i>	1		

	Books & Pamphlets	Serials	Other
Doubleday, Page & Co., <i>New York City</i>	1		
Dow, Miss Ada H., <i>Bangor</i>			1
Dow, Mrs. Elizabeth C., <i>Bangor</i>	7		
Dunbar, Mrs. Wales, <i>Bangor</i>	1		
Duren, Elnathan Freeman, <i>Bangor</i>	1		
Dwinel, Mrs. Lester, <i>Bangor</i>	2		
Eaton, Miss Isabelle G., <i>Bangor</i>	6	24	
Eddy, Mrs. Mary Baker, <i>Trustees under her will, Boston</i>	2		
Edmonds, John W.	1		
Elliott, Howard, <i>New York City</i>	2		
Emery, Miss Cynthia M., <i>Hampden, Me.</i>	1		
Emery, Judge L. A., <i>Ellsworth, Me.</i>			1
Engel, Mrs. William, <i>Bangor</i>	1	260	
Eucworth, Miss Antoinette L., <i>New York City</i>	1		
Fairbanks, Henry N., <i>Estate, Bangor</i>	359	2916	
Fairbanks, Mrs. Hiland L., <i>Bangor</i>	8		
Farnsworth, Edward C., <i>Portland, Me.</i>	7		
Federated Jewish Charities	1		
Fellows, Charles S., <i>Minneapolis, Minn.</i>	4		
Fellows, William W., <i>Bangor</i>	28		
Flagg, Charles A., <i>Bangor</i>	199	4	
Floyd, Andress	1		
Forbes Library, <i>Northampton, Mass.</i>	1		
Foster, Henry B., <i>Bangor</i>	88		
Fraser, Mrs. H. I.	4		
Freemasons, <i>Bangor Lodge</i>		1184	
Ganong, William F., <i>Northampton, Mass.</i>	8		
Garnsey, Frank R., <i>Bangor</i>	17		
General Electric Company, <i>Schenectady, N. Y.</i>		12	
German Publication Society, <i>New York City</i>	1		
Germanistic Society of America	1		
Giddings, Miss Madeline, <i>Bangor</i>	45		

	Books & Pamphlets	Serials	Other
Godfrey, Mrs. Abbie P., <i>Bangor</i>	1		
Godfrey, Edward R., <i>Bangor</i>	48	43	
Godfrey, Mrs. M. F.....	1		
Good housekeeping magazine, <i>Springfield, Mass.</i>	1		
Goode, Mrs. Arthur R., <i>Bangor</i>	1		
Gorham, Mrs. Frances A., <i>Bangor</i>	5	165	
Gospel Trumpet, <i>Anderson, Ind.</i>		52	
Grand Army of the Republic, <i>Hannibal Hamlin post, Bangor</i>			1
Grant, Frederick.....	1		
Guernsey, Hon. Frank E., <i>Washington, D. C.</i> ..	9		
Haines, Mrs. Flora E. Hinckley, <i>Bangor</i>	109		
Hall, Edwin O., <i>Bangor</i>	22		
Hallowell, Dr. Clement Howard, <i>Norwood, Mass.</i>	51		
Hallowell, Miss Susan M., <i>Estate, Wellesley, Mass.</i>	1		
Hamlin, Gen. Charles, <i>Estate, Bangor</i>	17		
Hamlin, Hon. Courtney W., <i>Washington, D. C.</i>	1		
Hardinge, Emma.....	1		
Hardwood Company, <i>Chicago, Ill.</i>		18	
Hardy, Miss Annie E., <i>Bangor</i>			1
Hardy, Hon. Rufus, <i>Washington, D. C.</i>	1		
Harlow, Miss Mabel, <i>Boston, Mass.</i>	4		
Harlow, N. Sparhawk, <i>Estate, Bangor</i>	38		
Hartford Public Library, <i>Hartford, Conn.</i>	1	4	
Harvard University, <i>Cambridge, Mass.</i>	2		
Hatch, Dr. Louis C., <i>Bangor</i>	63		
Hebron Academy, <i>Hebron, Me.</i>	1		
Helmershausen, A., <i>Franklin Grove, Ill.</i>	2		
Hennessy, Wilfrid A., <i>Bangor</i>	4		
Henry, T. M.....	1		
Hensley, Hon. Walter L., <i>Washington, D. C.</i> ..	1		

	Books & Pamphlets	Serials	Other
Hermon, Me., <i>Seletmen</i>	1		
Hinckley, Mrs. Frank, <i>Bangor</i>	9	112	
Hinds, Noble & Eldredge, <i>New York City</i>	1		
Hine Brothers, <i>New York City</i>	1		
Holden, Miss Charlotte L., <i>Bangor</i>	103		
Hollihan, Timothy E., <i>Bangor</i>	2		
Hord, Rev. A. H. for family of Frank J. Firth, <i>Germantown, Philadelphia</i>	1		
Hubbard, Walter Leslie, <i>Charleston, Me.</i>	26		
Huston, A. J., <i>Portland, Me.</i>	117		
Hygiene and the child, <i>New York City</i>	1		
Indian Rights Association, <i>Philadelphia, Pa.</i>	1	6	
International Correspondence Schools, <i>Scranton, Pa.</i>		12	
Jameson, Charles D., <i>Pekin, China</i>	7		1
Jefferds, Mrs. Caroline, <i>Bangor</i>	2		
Jersey City Free Public Library, <i>Jersey City, N. J.</i>	1	4	
Jewett, Miss Anna E., <i>Bangor</i>	55		20
Jewish Agricultural and Industrial Aid Society, <i>New York City</i>	1		
Johnston, John, <i>Bangor</i>		52	
Jordan, Fred A., <i>Bangor</i>	9		
Kansas City, Mo., Humane Society.....	1		
Kelly, Edmond, <i>Representative</i>	1		
Kennedy, Charles F., <i>Brewer, Me.</i>	6		
Kingsley and Thackeray hotels, <i>London</i>	1		
Kirchseisen, Friedrich M.....	1		
Kromphardt, G. Fred.....	1		
Kyte, Joseph.....	2		
Ladies' review, <i>Port Huron, Mich.</i>		12	
Lake Mohonk Conference on International Arbitration, <i>Lake Mohonk, N. Y.</i>	3		
Lansil, George, <i>Bangor</i>	9		
Leader, <i>Melbourne, Australia</i>		49	

	Books & Pamphlets	Serials	Other
Leavitt, Michael Bennett, <i>New York City</i> ...	1		
Leighton, Vernon E., <i>Bangor</i>		43	
Lincoln, H. M., <i>Corinna, Me.</i>			8
Lodge, Hon. Henry C., <i>Washington, D. C.</i> ...	2		
Lord, Hon. Henry, <i>Bangor</i>	60		
Loring, Short & Harmon, <i>Portland, Me.</i>		6	
Los Angeles Public Library, <i>Los Angeles, Cal.</i>	1		
Louisville Public Library, <i>Louisville, Ky.</i> ...	1		
Luther Burbank Society, <i>Santa Rosa, Cal.</i> ...	6		
Luzac & Company, <i>London</i>		10	
Lyman, Fred C., <i>Bar Harbor, Me.</i>	1		
Lynn Public Library, <i>Lynn, Mass.</i>	1		
McClure Publications, <i>New York City</i>		50	
McCumber, Hon. Porter J., <i>Washington, D. C.</i>	1		
McLaughlin, Mrs. Henry, <i>Bangor</i>	24	601	
Maine Agricultural Experiment Station, <i>Orono, Me.</i>	2		
Maine Central Railroad Company, <i>Portland, Me.</i>	6		
Maine Historical Society, <i>Portland, Me.</i>	186		
Maine State Board of Health, <i>Augusta</i>		3	
Maine State Library, <i>Augusta</i>	345	4	
Maine University, <i>Orono, Me.</i>	6	16	
Maine Western State Normal and Training School, <i>Gorham, Me.</i>	1		
Mason, Misses Ellen C. and Mary F., <i>Bangor</i>	33	14	
Massachusetts Agricultural College, <i>Amherst, Mass.</i>	1		
Massachusetts Bureau of Statistics, <i>Boston</i>	1		
Massachusetts Charitable Mechanic Associa- tion, <i>Boston</i>	1		
Massachusetts Free Public Library Com- mission, <i>Boston</i>	1		
Massachusetts Institute of Technology, <i>Bos-</i>			

	Books & Pamphlets	Serials	Other
<i>ton</i>	1	3	
Massachusetts Society of Arts, Mass. In- stitute of Technology, <i>Boston</i>	1		
Massachusetts State Board of Health, <i>Boston</i>	1		
Mayberry, Miss Carrie C., <i>Bangor</i>	1		
Merrill, Henry A., <i>Bangor</i>			1
Merrill, Isaac H., <i>family, Bangor</i>			1
Merrill, Miss Mary H., <i>Bangor</i>	2		
Military Order of the Loyal Legion of the U. S. <i>Commandery of Maine</i>	4	7	
Milwaukee Public Library, <i>Milwaukee, Wis.</i>	1		
Minneapolis Board of Park Commissioners, <i>Minneapolis, Minn</i>	2		
Minneapolis Public Library, <i>Minneapolis,</i> <i>Minn</i>	1		
Mitchell, Gen. Henry L., <i>Bangor</i>			1
Mobile register, <i>Mobile, Ala</i>	1		
Moore, Hon. J. Hampton, <i>Washington, D. C.</i>	1		
Moorehead, Warren K., <i>Andover, Mass</i>	5		
Morrison, Muriel, <i>Bangor</i>	1		
Mudgett, Mrs. M. E., <i>Bangor</i>	10	772	
Mulvany, Mrs. James D., <i>Bangor</i>	1		
Mutual Life Insurance Company, <i>New York</i> <i>City</i>	1		
National Academy of Science, <i>Washington,</i> <i>D. C.</i>	1		
National Automobile Chamber of Commerce, <i>New York City</i>	1		
National Child Labor Committee, <i>New York</i> <i>City</i>	2		
National City Bank, <i>New York City</i>		3	
National Civil Service Reform League, <i>New</i> <i>York City</i>	1	13	
National Conference of Charities and Cor- rections.....		1	

	Books & Pamphlets	Serials	Other
National Municipal Political League, <i>Philadelphia, Pa.</i>	3		
National Religious Training School, <i>Durham, N. C.</i>	1		
National Short Ballot Organization, <i>New York City</i>	1		
National Tax Association, <i>New York City</i>	2	1	
Nestle's Food Company, <i>New York City</i>		3	
New Century Corporation, <i>Point Loma, Cal.</i>		12	
New England Anti-Vivisection Society, <i>Boston</i>	1		
New Hampshire Historical Society, <i>Concord, N. H.</i>	2		
New Haven Free Public Library, <i>New Haven, Conn.</i>	1		
New Orleans Public Library, <i>New Orleans, La.</i>	1		
New York City Board of Water Supply	1		
New York Civil Service Reform Association, <i>New York City</i>	1		
New York College, <i>New York City</i>	1		
New York Merchants Association, <i>New York City</i>	1		
New York, New Haven & Hartford R. R.	2		
New York Public Library, <i>New York City</i>	8	11	
New York Public Library, <i>Library School, New York City</i>	5		
New York State Board of Charities, <i>Albany</i>	2		
New York State Education Department, <i>Albany</i>	14		
New York State Library, <i>Albany</i>	46		
New York State University	7		
New York Stock Exchange, <i>New York City</i>	1		
Newark Free Public Library, <i>Newark, N. J.</i>	1		
Norfolk Industrial Commission, <i>Norfolk, Va.</i>	1		
Notre Dame University, <i>Notre Dame, Ind.</i>	2		

	Books & Pamphlets	Serials	Other
Oak, John M., <i>Bangor</i>	79	8	
Ohio State Library, <i>Columbus, O.</i>	1		
Oneida Historical Society, <i>Utica, N. Y.</i>	1		
Oriental Esoteric Library, <i>Washington, D. C.</i>		23	
Osaka Library, <i>Osaka, Japan</i>	1		
Ottawa, Ont., Carnegie Public Library.....	1		
Paine, Miss Selma W., <i>Bangor</i>	9		
Parke, Mrs. L. L.....	1		
Parker, John B.....	1		
Patch, Hon. Willis Y., <i>Bangor</i>	1		
Paterson Free Public Library, <i>Paterson, N. J.</i>	1		
Payne, Miss Blanche, <i>Boston, Mass.</i>	3		
Pendell, Lyman J., <i>Caribou, Me.</i>	1		
Pendleton, Miss Frances E., <i>Bangor</i>	1		
Penn Publishing Company, <i>Philadelphia, Pa.</i>	1		
Pennell Institute, <i>Gray, Me.</i>	1		
Pennsylvania Free Library Commission, <i>Harrisburg, Pa.</i>		4	
Pennsylvania Museum. School of Industrial Art, <i>Philadelphia, Pa.</i>	1		
Pennsylvania University, <i>Philadelphia</i>	1		
Penobscot County Commissioners, <i>Bangor</i> ..	2		
Penobscot Savings Bank, <i>Bangor</i>	45		
Peoria Public Library, <i>Peoria, Ill.</i>	1		
Perry, Mrs. E. S.....	2		
Phelps, Edward B., <i>New York City</i>	1		
Phelps, Rev. Guy F., <i>Chicago, Ill.</i>	1		
Philadelphia Free Public Library, <i>Philadel- phia, Pa.</i>	1		
Phillips Exeter Academy, <i>Exeter, N. H.</i>		3	
Pickering, Miss Jennie, <i>Bangor</i>		29	
Pierce, Mrs. Albert and Williamson, Miss, <i>Frankfort, Me.</i>	1		
Playground & Recreation Association of America, <i>New York City</i>		6	

	Books & Pamphlets	Serials	Other
Porter, Miss Marion, <i>Bangor</i>	23		
Porter, Misses Rhoda and Mary, <i>Bangor</i>	129	616	
Portland Library Association, <i>Portland, Ore.</i>	1		
Portland Public Library, <i>Portland, Me.</i>	16		
Pratt Institute, <i>Brooklyn, N. Y.</i>	3		
Prentiss, Miss Margaret, <i>Bangor</i>	2		
Princeton University, <i>Princeton, N. J.</i>	1		
Protestant Episcopal Church. Diocese of Maine, <i>Portland, Me.</i>		4	
Publisher's Cooperative Bureau, <i>New York City</i>		5	
Quezon, Manuel L., <i>Washington, D. C.</i>	1	11	
Quinn, Miss Marie, <i>Bangor</i>	10		
Radcliffe College, <i>Cambridge, Mass.</i>	1		
Reed, Miss Grace M., <i>Springfield, Mass.</i>	7		
Reid, Mrs. Walter, <i>Springfield, Ill.</i>	1		
Remington Typewriter Company, <i>New York City</i>		3	
Reynolds, C. W.	4		
Rich, Worcester B., <i>Bangor</i>	1		
Roberts, Charles G. D.	1		
Roberts, Miss Charlotte, <i>Bangor</i>	11	48	
Robinson, Dr. Daniel A., <i>Bangor</i>	1		
Robinson Seminary, <i>Exeter, N. H.</i>	2		
Rockefeller Fund for International Health Commission.....	2		
Rockefeller Sanitary Commission.....	4		
Ropes, Prof. Charles J. H., <i>Bangor</i>	1		
Rosenberg Library, <i>Galveston, Texas</i>		4	
Royal Colonial Institute, <i>London</i>	1		
Russell Sage Foundation Library, <i>New York City</i>	8	6	
St. Louis Pageant Committee.....	1		
St. Louis Public Library, <i>St. Louis, Mo.</i>	7	11	
Salem Public Library, <i>Salem, Mass.</i>	1		

	Books & Pamphlets	Serials	Other
Sanford, Mrs. J. E. M. and Miss Mary, <i>Brookline, Mass.</i>	1		2
Sargent, John W., <i>New York City</i>	92	22	
School News Company, <i>New York City</i>		44	
Schroeder, H. H., <i>St. Louis, Mo.</i>		12	
Science of Life and Health Publishing Com- pany, <i>Boston</i>		9	
Scott, Mrs. Alva R., <i>Bangor</i>	1		
Scranton Public Library, <i>Scranton, Pa.</i>	1		
Scribner's, Charles, Sons, <i>New York City</i> . . .		5	
Seattle Public Library, <i>Seattle, Wash.</i>	1		
Sample, Mrs. Joseph, <i>Bangor</i>			1
Signs of the Times Publishing Company, <i>New</i> <i>York City</i>		19	
Simplified Spelling Board, <i>New York City</i> . .	10		
Simpson, Mrs. Corelli C. W., <i>Bangor</i>	1		
Skinner, William C.	2		
Small, John N.	1		
Smith, Rev. Ashley A., <i>Bangor</i>	5		
Smith, Mrs. Fred.	1		
Smith, Mrs. R. E.	2		
Smithsonian Institution, <i>Washington, D. C.</i> .		21	
Society for Settlement of International Dis- putes	1		
Southworth, H. W., <i>London</i>	1		
Sprague Publishing Company, <i>Detroit, Mich.</i>		3	
Springfield City Library Association, <i>Spring-</i> <i>field, Mass.</i>	1		
Starling, Lyne, <i>Greenville, Miss.</i>	140		
State Company, <i>Columbia, S. C.</i>	1		
Stetson, Mrs. Charles P., <i>Bangor</i>	3		
Stetson, Clarence C., <i>Bangor</i>	1		
Stevens, Hon. Frederick C., <i>Washington. D.</i> <i>C.</i>	1		
Stupell, Mrs. Charlotte R., <i>Bangor</i>	4		

	Books & Pamphlets	Serials	Other
Suffolk County Registry of Deeds, <i>Boston, Mass.</i>	8		
Swan, Florence I., <i>Bangor</i>	19		
Tapley, Mrs. Hattie, <i>West Brooksville, Me.</i> ...	1		
Taylor, Mrs. William H., <i>Bangor</i>	1		
Testimony Publishing Company, <i>Chicago, Ill.</i>	1		
Tewksbury, Miss Helena M., <i>Bangor</i>	2		
Thayer, Rev. Henry O., <i>New York City</i>	1		
Theosophical Society, <i>New York City</i>		4	
Thissell, Mrs. James A., <i>Bangor</i>	75		
Thomas, W. K. & Co., <i>Adelaide, Australia</i> ...		49	
Thompson, Samuel D., <i>East Orange, N. J.</i> ...	1		
Thoms, Miss Edna F., <i>Bangor</i>	7		
United Shoe Machinery Company, <i>Boston</i> ...	1		
United States Bureau of Corporations.....	1		
“ “ Bureau of Education.....	43		
“ “ Congress. Senate.....	1		
“ “ Department of Agriculture... 1019		7	
“ “ Department of Commerce... 5			
“ “ Department of Labor..... 1			
“ “ Geographic Board..... 3			
“ “ Geological Survey..... 161			
“ “ Library of Congress..... 2			
“ “ Patent Office..... 53			
“ “ Superintendent of Documents 477		1375	
United States Brewers' Association, <i>New York City</i>	3		
University of Colorado, <i>see</i> Colorado University			
University of Maine, <i>see</i> Maine University			
University of Notre Dame, <i>see</i> Notre Dame University			
University of Pennsylvania, <i>see</i> Pennsylvania University			

	Books & Pamphlets	Serials	Other
University of Washington, <i>see</i> Washington University			
Untermeyer, Samuel, <i>New York City</i>	2		
Vedanta Centre, <i>Boston</i>		12	
Vermont University, <i>Burlington, Vt.</i>	2		
Virginia State Library, <i>Richmond, Va.</i>	2		
Walker, James P., <i>Bangor</i>	18		
Wallace, Mrs. William A., <i>Albany, N. Y.</i>	2		
Walz, Dean William E., <i>Bangor</i>	1		
Ware, Miss Amy	1		
Warren, Dr. Percy, <i>Bangor</i>	7	136	
Warren, Mrs. Percy, <i>Bangor</i>	1		
Washington University, <i>Seattle, Wash.</i>	2		
Webber, Elder R. S.	1		
Webster, Mary Laurena, <i>Bangor</i>	17		
Western Motor Car, Inc., <i>Seattle, Washington</i>		11	
Westminster Public Libraries, <i>London, England</i>	1		
Wheeler, Mrs. W. A.	5		
Whittier, Rev. Charles, <i>Bangor</i>	52	49	
Wilkes-Barre Chamber of Commerce, <i>Wilkes-Barre, Pa.</i>	1		
Wilmington Institute Free Public Library, <i>Wilmington, Del.</i>	1		
Wisconsin Library Commission, <i>Madison, Wis.</i>	1		
Wisconsin Tax Association	1		
Wood, Mrs. Charles H., <i>Bangor</i>	17	39	
Woods, Prof. Charles D., <i>Orono, Me.</i>	27		
Workmen's Compensation Publicity Bureau, <i>New York City</i>	13		
World Peace Foundation, <i>Boston, Mass.</i>	16	8	
Wylie Permanent Camping Co.	1		
Yale Publishing Association, <i>New Haven, Conn.</i>		4	
Young, Lucy L., <i>Winchester, Mass.</i>	3		
Source unknown	105		

APPENDIX L
SERIALS TAKEN AT THE LIBRARY

- A. L. A. booklist. *Monthly*.
Accident bulletin. *see* U. S. Interstate Commerce Commission.
Ambition. *Monthly*. (*presented*).
American Academy of Political and Social Science. *Annals*. *Bi-monthly*.
American boy. *Monthly*. (*presented*).
American forestry. *Monthly*.
American historical review. *Quarterly*. (*presented*).
American Iron and Steel Institute. *Monthly bulletin*. (*presented*).
American journal of archaeology. *Quarterly*. (*presented*).
American journal of science. *Monthly*.
American labor legislation review. *Quarterly*.
American machinist. *Weekly*.
American monthly magazine. *see* Daughters of the American Revolution magazine.
American municipalities. *Monthly*.
American review of reviews. *Monthly*.
American traveler's gazette. *Monthly*. (*presented*).
Americas. *Monthly*. (*presented*).
Annals of the American Academy. *see* American Academy of Political and Social Science.
Archaeological Institute of America. *Bulletin*. *Quarterly*.
Architectural record. *Monthly*.
Art and archaeology. *Monthly*.
Atlantic Deeper Waterways Association. *Bulletin*. *Monthly*. (*presented*).
Atlantic monthly.
Bangor, Me. High School. *see* Oracle.
Bird lore. *Bi-monthly*.
Blackwood's Edinburgh magazine. *Monthly*.
Book buyer. *Monthly*. (*presented*).

- Book review digest. *Monthly*.
Boston Museum of Fine Arts. Bulletin. *Bi-monthly*. (*presented*).
Boys' life. *Monthly*. (*presented*).
Branch library news. *see* New York Public Library.
Brooklyn Institute of Arts and Sciences. Children's Museum news.
Monthly. (*presented*).
Brooklyn Public Library. Bulletin. *Quarterly*. (*presented*).
Brown alumni monthly. (*presented*).
Bulletin of bibliography and Dramatic index. *Quarterly*.
Bureau of Railway Economics. Summary of revenues and expenses of
steam roads. *Monthly*. (*presented*).
Century. *Monthly*.
Children's Museum news. *see* Brooklyn Institute of Arts and Sciences.
Christian herald. *Weekly*. (*presented*).
Christian register. *Weekly*. (*presented*).
Christian Science journal. *Monthly*. (*presented*).
Christian Science sentinel. *Weekly*. (*presented*).
Civil service weekly.
Climatological data. *see* U. S. Weather Bureau.
Club woman's magazine. *Monthly*. (*presented*).
Colonial wars. *Quarterly*.
Congressional record. *see* U. S. Congress.
Contemporary review. *Monthly*.
Cornell rural school leaflet. *Bi-monthly*. (*presented*).
Country life. *Monthly*.
Craftsman. *Monthly*.
Daily consular and trade reports. *see* U. S. Bureau of Foreign and Domestic
Commerce.
Daughters of the American Revolution, magazine. *Monthly*. (*presented*).
Dial. *Semi-monthly*.
Dramatic index. *see* Bulletin of bibliography.
Dramatist. *Quarterly*.
Edinburgh review. *Quarterly*.
Electrical world. *Weekly*.
Essex Institute historical collections. *Quarterly*.
Experiment station record. *see* U. S. Dept of Agriculture. Office of Ex-
periment Stations.

- Facts about sugar. *Monthly. (presented).*
- Farmers' bulletin. *see U. S. Dept. of Agriculture.*
- Fatherland. *Weekly.*
- Filipino people. *Monthly. (presented).*
- Foreign tariff notes. *see U. S. Bureau of Foreign and Domestic Commerce.*
- Fortnightly review. *Monthly.*
- Forum. *Monthly.*
- Free Poland. *Semi-monthly. (presented).*
- Galveston, Texas. Rosenberg Library. *see Rosenberg Library.*
- General electric company. Bulletin. *Irregular. (presented).*
- General electric review. *Monthly. (presented).*
- Good furniture. *Monthly. (presented).*
- Good government. *Monthly. (presented).*
- Good housekeeping magazine. *Monthly.*
- Gospel trumpet. *Weekly. (presented).*
- Hardwood record. *Semi-monthly. (presented).*
- Harper's magazine. *Monthly.*
- Harper's weekly. *(presented).*
- Hartford, Connecticut. Public Library. Hartford library bulletin. *Quarterly. (presented).*
- Hawaii, Agricultural Experiment Station. Bulletin. *Irregular. (presented).*
- History teacher's magazine. *Monthly.*
- Home needlework magazine. *Monthly.*
- House beautiful. *Monthly.*
- Hygiene and the child. *Monthly. (presented).*
- Immigration bulletin. *see U. S. Bureau of Immigration.*
- Index to dates. *Monthly.*
- Indian Rights Association. Publications. 2d series. *Irregular (presented).*
- Industrial arts index. *Bi-monthly.*
- Industrial journal. *Monthly.*
- International conciliation. *Monthly. (presented).*
- International Institute of Agriculture, Rome. Bureau of statistics. Bulletin of agricultural and commercial statistics. *Monthly. (presented).*
- International studio. *Monthly.*

- Jersey City, N. J. Free Public Library. Library record. *Bi-monthly*.
(*presented*)
- Journal of accountancy. *Monthly*.
- Journal of agricultural research. *see* U. S. Dept. of Agriculture.
- Journal of American history. *Quarterly*.
- Ladies' review. *Monthly*. (*presented*).
- Landscape architecture. *Quarterly*. (*presented*).
- Leader. *Weekly*. (*presented*).
- Library journal. *Monthly*.
- Lippincott's. *Monthly*.
- Literary digest. *Weekly*.
- Living Age. *Weekly*.
- Loring, Short and Harmon. Monthly book review. (*presented*).
- Loyal Legion. *see* Military Order of the Loyal Legion.
- McClure's magazine. *Monthly*.
- Magazine of history. *Monthly*.
- Maine, Agricultural Experiment Station. Bulletin. *Irregular*. (*presented*).
- Maine campus. *Weekly*. (*presented*).
- Maine Catholic historical magazine. *Monthly*.
- Maine commandery, Loyal Legion. *see* Military Order of the Loyal Legion of the U. S.
- Maine law review. *Monthly*. (*presented*).
- Maine rural life. *Bi-monthly*. (*presented*).
- Maine State Board of Health. Bulletin. *Bi-monthly*. (*presented*).
- Maine State Library. Bulletin. *Quarterly*. (*presented*).
- Maine. University. *see* Maine campus.
- Maine. University. *College of Agriculture*. Timely helps for farmers.
Monthly. (*presented*).
- Manual training and Vocational education. *Monthly*.
- Massachusetts Institute of Technology. *see* Technology architectural record.
- Military Order of the Loyal Legion of the U. S. *Commandery of the State of Maine*. Circular. *Irregular*. (*presented*).
- Municipal engineering. *Monthly*.
- Musician. *Monthly*.
- Nation. *Weekly*.

- National Conference of Charities and Correction. Bulletin. *Quarterly*.
(*presented*).
- National geographic magazine. *Monthly*.
- National municipal review. *Quarterly*.
- New books. *Monthly*. (*presented*).
- New England historical and genealogical register. *Quarterly*.
- New England magazine. *Monthly*.
- New Haven, Conn. Free Public Library. Bulletin. *Quarterly*. (*presented*).
- New republic. *Weekly*.
- New York Meteorological Observatory. Report. *Monthly*. (*presented*).
- New York Public Library. Branch Library news. *Monthly*. (*presented*).
- New York Public Library. Bulletin. *Monthly*. (*presented*).
- New York times. Quarterly index.
- Newark, Free Public Library. The Newarker. *Monthly*.
- Nineteenth century and after. *Monthly*.
- North American review. *Monthly*.
- Northeast. *Monthly*. (*presented*).
- Notes and queries. *Weekly*.
- O. E. library critic. *Bi-weekly*. (*presented*).
- Observer. *Weekly*. (*presented*).
- Oracle, Bangor High school. *Monthly*. (*presented*).
- Osterhout Free Library. Wilkes Barre, Penn. Bulletin. *Monthly*. (*presented*).
- Our dumb animals. *Monthly*. (*presented*).
- Outing. *Monthly*.
- Outlook. *Weekly*.
- Pan American Union. Bulletin. *Monthly*. (*presented*).
- Pennsylvania Free Library Commission. Pennsylvania library notes. *Quarterly*. (*presented*).
- Phillips Exeter Academy. Bulletin. *Quarterly*. (*presented*).
- Photo miniature. *Irregular*.
- Playground. *Monthly*.
- Popular mechanics. *Monthly*.
- Popular science. *Monthly*.
- Porto Rico, Agricultural Experiment Station. Bulletin. *Irregular*. (*presented*).

- Protectionist. *Monthly. (presented).*
Public health bulletin. *see U. S. Bureau of Public Health Service.*
Public libraries. *Monthly.*
Publishers' weekly.
Quarterly review.
Railway review. *Weekly.*
Readers' guide to periodical literature. *Monthly.*
Readers' guide to periodical literature supplement. *Bi-monthly.*
Remington notes. *Quarterly. (presented).*
Review of religions. *Monthly. (presented).*
Review of reviews. *see American review of reviews.*
Rosenberg Library, Galveston, Texas. Bulletin. *Bi-monthly. (presented)*
Russell Sage Foundation. *Library. Bulletin. Bi-monthly. (presented).*
Sage Foundation. *see Russell Sage Foundation.*
St. Nicholas. *Monthly.*
St. Louis, Mo. Public Library. *Monthly Bulletin. (presented).*
School. *Weekly. (presented).*
Science. *Weekly.*
Science of life and health. *Monthly. (presented).*
Scientific American. *Weekly.*
Scientific American supplement. *Weekly.*
Scribner's magazine. *Monthly.*
Short ballot bulletin. *Bi-monthly. (presented).*
Signs of the times. *Semi-monthly. (presented).*
Smithsonian Institution. *see also U. S. Bureau of American Ethnology;*
U. S. National Museum.
Smithsonian miscellaneous collections. *Irregular (presented).*
Special libraries. *Monthly.*
Sprague's journal of Maine history. *Quarterly.*
Studio. *see International studio.*
Survey. *Weekly.*
Technology architectural record. *Quarterly. (presented).*
Theosophical path. *Monthly. (presented).*
Theosophical quarterly. *(presented).*
Timely helps for farmers. *see Maine. University. College of Agriculture.*
U. S. Bureau of American Ethnology.
Bulletin. *Irregular. (presented).*

- U. S. *Bureau of Education.*
 - Bulletin. *Irregular. (presented).*
- U. S. *Bureau of Fisheries.*
 - Bureau of Fisheries document. *Irregular. (presented).*
 - Economic circular. *Irregular. (presented).*
- U. S. *Bureau of Foreign and Domestic Commerce.*
 - Bulletin. *Monthly. (presented).*
 - Daily consular and trade reports. *(presented).*
 - Foreign tariff notes. *Irregular. (presented).*
 - Miscellaneous series. *Irregular. (presented).*
 - Monthly summary of the foreign commerce of U. S. *(presented).*
 - Monthly summary of commerce and finance of U. S. *(presented).*
 - Special agents series. *Irregular. (presented).*
 - Special consular reports. *Irregular. (presented).*
 - Tariff series. *Irregular. (presented).*
- U. S. *Bureau of Immigration.*
 - Immigration bulletin. *Monthly. (presented).*
- U. S. *Bureau of Labor Statistics.*
 - Bulletin. *Irregular. (presented).*
- U. S. *Bureau of Mines.*
 - Bulletin. *Irregular. (presented).*
 - Miners' circular. *Irregular. (presented).*
 - Monthly statement of coal-mine fatalities in U. S. *(presented).*
 - Technical paper. *Irregular. (presented).*
- U. S. *Bureau of Standards.*
 - Bulletin. *Irregular. (presented).*
 - Circular. *Irregular. (presented).*
 - Scientific papers. *Irregular. (presented).*
 - Technologic papers. *Irregular. (presented).*
- U. S. *Bureau of Public Health Service.*
 - Miscellaneous publication. *Irregular. (presented).*
 - Public health bulletin. *Irregular. (presented).*
 - Public health reports. *Weekly. (presented).*
 - Public health reports. Supplement. *Irregular. (presented).*
- U. S. *Bureau of Public Health Service. Hygienic Laboratory.*
 - Bulletin. *Irregular. (presented).*

- U. S. *Bureau of the Census*.
Bulletin. *Irregular*. (presented).
- U. S. *Children's Bureau*.
Bureau publication. *Irregular*. (presented).
- U. S. *Coast and Geodetic Survey*.
Special publication. *Irregular*. (presented).
- U. S. *Congress*.
Congressional record. *Daily during session*. (presented).
- U. S. *Dept. of Agriculture*.
Bulletin. *Irregular*. (presented).
Farmers' bulletin. *Irregular*. (presented).
Journal of agricultural research. *Monthly*. (presented).
Monthly list of publications. (presented).
Weekly news letter to crop correspondents. (presented).
- U. S. *Dept. of Agriculture*. see also U. S. *Weather Bureau*.
- U. S. *Dept. of Agriculture*. *Office of Experiment Stations*.
Experiment station record. *Monthly*. (presented).
- U. S. *Dept. of Agriculture*. *Office of Experiment Stations*. see also *Hawaii*,
Agricultural Experiment Station; *Maine*, *Agricultural Experiment*
Station; *Porto Rico*, *Agricultural Experiment Station*.
- U. S. *Dept. of Agriculture*. *Office of Solicitor*.
Circular. *Irregular*. (presented).
- U. S. *Dept. of Commerce*.
Monthly list of publications. (presented).
- U. S. *Dept. of Commerce*. see also U. S. *Bureau of Fisheries*; U. S. *Bureau*
of Foreign and Domestic Commerce; U. S. *Bureau of Standards*; U. S.
Bureau of the Census; U. S. *Coast and Geodetic Survey*.
- U. S. *Dept. of Labor*. see U. S. *Bureau of Immigration*; U. S. *Bureau of*
Labor Statistics; U. S. *Children's Bureau*.
- U. S. *Dept. of the Interior*. see U. S. *Bureau of Education*; U. S. *Bureau of*
Mines; U. S. *General Land Office*; U. S. *Geological Survey*; U. S.
Patent Office.
- U. S. *General Land Office*.
Circular. *Irregular*. (presented).
- U. S. *Geological Survey*.
Bulletin. *Irregular*. (presented).
Professional papers. *Irregular*. (presented).
Water supply papers. *Irregular*. (presented).

- U. S. *Government Printing Office.* see U. S. *Superintendent of Documents.*
- U. S. *Interstate Commerce Commission.*
Accident bulletin. *Irregular. (presented).*
Bulletin of revenues and expenses of steam roads in U. S. *Monthly. (presented).*
- U. S. *Library of Congress. Copyright Office.*
Catalogue of copyright entries. *Irregular. (presented).*
- U. S. *Library of Congress. Division of Documents.*
Monthly list of state publications.
- U. S. *National Museum.*
Bulletin. *Irregular. (presented).*
Contributions from the U. S. National Herbarium. *Irregular. (presented).*
- U. S. *Navy Dept. Bureau of Medicine and Surgery.*
U. S. Naval medical bulletin. *Quarterly. (presented).*
- U. S. *Patent Office.*
Alphabetical list of patentees. *Monthly. (presented).*
Classification bulletin. *Irregular. (presented).*
Index to decisions of the commission of patents and of the U. S. courts
Irregular. (presented).
Official gazette. *Weekly. (presented).*
- U. S. *Superintendent of Documents.*
Monthly catalogue of public documents. *(presented).*
- U. S. *War Dept. Office of the Surgeon General.*
Bulletin. *Irregular. (presented).*
- U. S. *Weather Bureau.*
Climatological data. New England section, *Monthly. (presented).*
- University of Maine. see Maine. University.
- Vedanta monthly. *(presented).*
- Vocational education. see Manual training and Vocational education.
- Vogue. *Semi-monthly.*
- Water supply papers. see U. S. *Geological Survey.*
- Weekly news letter. see U. S. *Dept of Agriculture.*
- Western motor car. *Monthly. (presented).*
- Westminster review. *Monthly.*
- Wilkes-Barre, Penn. Public Library. see Osterhout Free Library.
- World's Peace Foundation. Pamphlet series. *Monthly. (presented).*
- World's work. *Monthly.*

Das Wort. *Monthly.* (*presented*).

Youth's companion. *Weekly.*

NEWSPAPERS

Bangor daily commercial.

Bangor daily news.

Boston evening transcript.

Christian Science monitor, Boston. (*presented*).

Daily Kennebec journal, Augusta.

New York times.

BY-LAWS OF THE BOARD OF MANAGERS OF THE BANGOR PUBLIC LIBRARY

ARTICLE I

OFFICERS

The officers of the Board shall be a President, Vice President, Secretary and Treasurer.

The Mayor of the City shall be, ex-officio, President of the Board, as provided in the contract between the Trustees of the Hersey Fund and the Mechanic Association.

The President of the Mechanic Association shall be, ex-officio, Vice President of the Board.

The Secretary and Treasurer shall be chosen by the Board, by ballot, at the annual meeting, and shall serve for one year and until others are chosen and qualified in their stead.

ARTICLE II

PRESIDENT

The President shall preside at all meetings of the Board at which he is present.

ARTICLE III

VICE-PRESIDENT

The Vice President shall preside in the absence of the President, and if both are absent, a President pro tempore shall be chosen.

ARTICLE IV

VOTE OF PRESIDING OFFICER

The Presiding Officer shall not be entitled to vote at any meeting, unless a tie occurs, in which case he shall throw the casting vote.

ARTICLE V

SECRETARY

The Secretary shall keep a faithful record of the doings of the Board and shall have the custody of all documents, except those relating to financial matters, and shall give due notice of all meetings of the Board and perform all other duties properly appertaining to his office.

ARTICLE VI

TREASURER

The Treasurer shall have the custody of all funds of the Board, and all documents relating thereto. He shall pay all bills approved by the Finance Committee under authorization of the Board. He shall keep an accurate account of receipts and expenditures and make a report to the Board at the annual meeting. He shall give a bond, if required.

ARTICLE VII

COMMITTEES

The Board shall choose from its own number, by ballot, at the annual meeting, a Library Committee, a Purchasing Committee, a Finance Committee, and an Auditing Committee.

The Library Committee shall consist of three members, and each of the other committees of one member.

All the Committees shall serve for one year and until others are elected in their stead. They shall act under the direction of the Board and shall report to the Board from time to time, and all measures proposed by them shall be submitted to the Board for approval.

ARTICLE VIII

LIBRARY COMMITTEE

The Library Committee shall have supervision of all business relating to the Library and Reading Room and the keeping, cataloguing and delivery of books, and the work of the Librarian.

ARTICLE IX

PURCHASING COMMITTEE

The Purchasing Committee shall expend such sums as the Board may from time to time appropriate, in the purchase of such books and periodicals as may be needed for the Library and Reading Room. The Committee shall also make a report to the Board at the annual meeting.

ARTICLE X

FINANCE COMMITTEE

The Finance Committee shall examine all bills and report a list of the same at each quarterly meeting, and, after the acceptance of the report by the Board, the bills shall be approved by the Finance Committee and paid by the Treasurer.

ARTICLE XI

AUDITING COMMITTEE

The Auditing Committee shall examine annually the Treasurer's account and certify its correctness.

ARTICLE XII

LIBRARIAN

At the annual meeting or as soon after as may be convenient, the Board shall elect, by ballot, for a term not to exceed one year, a Librarian and a sufficient number of assistants. The salaries of the Librarian and assistants shall be fixed at the time of their election. Their duties shall be such as the Board may, from time to time, determine.

ARTICLE XIII

USE OF LIBRARY

All citizens of Bangor shall be entitled to the use of the Library and Reading Room on equal terms, under such rules as the Board may, from time to time, ordain.

ARTICLE XIV

MEETINGS

The annual meeting of the Board shall be held on the third Tuesday in January, and regular quarterly meetings shall be held on the third Tuesday of April, July and October of each year. Special meetings shall be called by the Secretary, at any time, by direction of the President, or by request of two members of the Board.

ARTICLE XV**QUORUM**

Five members of the Board shall constitute a quorum for the transaction of business.

ARTICLE XVI**AMENDMENTS**

These by-laws may be amended by vote of a majority of those present at any meeting of the Board, written notice of the proposed amendment having been submitted to the Board at the previous meeting.

RULES OF THE LIBRARY

ARTICLE I

OPENING AND CLOSING

Unless otherwise ordered by the Board of Managers, the Library and Reading Room shall be open every day, except Sundays, and legal holidays observed by the banks, from 9 a. m. to 9 p. m. The Children's Room shall close at 6 p. m.

ARTICLE II

READING ROOMS

The use of books and periodicals in the Reading Rooms is free to all persons of proper behavior. Certain books are available without any formality: the entire reference collection shelved in the Reference Room; unbound magazines in the periodical cases; 2d or reserved copies of the newest accessions, and such special collections as are displayed on tables or in cases in the Reading Room.

When a book from the main collection in the stack is wanted, its title and call number, together with the name and residence of the borrower must be written on a special slip furnished for that purpose, and left with an attendant. If table is designated on this slip, books will be delivered there. These slips are arranged in a drawer and when any book is returned, the corresponding slip shall be taken out and cancelled. Every book issued should be returned by the borrower before leaving

the room, as his or her responsibility ceases only with cancellation of charging slip. A reader may have any number of books needed, subject to the provision that no one may retain a book not in actual use when another reader calls for it.

There are study rooms on the lower floor for the use of students and investigators who may require a considerable number of works day after day.

The Children's room is reserved for the use of children, with special attendants in charge. It closes at 6 p. m. The books on the shelves of this room may be examined and taken down for use in the room or drawn out for home use under the Library rules. Children may also draw books from the main collection. Those of High School age, desirous of consulting reference books or pursuing serious research may be admitted to the main library.

Records shall be kept of all books brought from the stack for use in any reading room.

ARTICLE III

REGISTRATION

Any resident of Bangor is entitled to have from the Library one Library card. This privilege shall be extended to any person whose business address is Bangor, and to any student in the Bangor schools.

Applicants for library cards must make application personally at the Library or authorize some person, in writing, to apply as their representative.

Residents of neighboring towns may be allowed home use of books, on approval of the Library Committee, on applying

in writing and making payment of three dollars for each Library card issued before the first day of July in any year, and one dollar and fifty cents for each card issued on or after the first day of July; payment to be made when cards are delivered.

The Librarian shall have authority to require of any applicant a satisfactory reference, or a deposit of money, when necessary for the protection of the Library.

Cards are not regularly issued until at least twenty-four hours after application is made.

Each card shall entitle the holder to home use of one volume at a time, under the rules of the Library, until the first day of January next ensuing after the date of the card.

Library cards are not transferable, and a Library card entitles the registered holder and members of the family of the registered holder in the same household, to home use of books.

Immediate notice of any change of residence should be given at the Library. The registered holder of a card is, in all cases, responsible for books taken with it.

Books may be issued on any card to any applicant having written authority from the registered holder of the card; but books so issued are only for the home use of the registered holder of the card.

All cards shall be numbered in the order of their issue, and the numbers shall be entered in order, in the Record of Library Cards, and the name and address of the holder and date of issue shall be noted opposite each number.

Cardholders may have special cards for purposes of study without special registration. No book of fiction shall ever be issued on a special card. These cards shall be numbered in order of their issue and the list of special cards shall be kept with the Record of Library Cards.

ARTICLE IV

HOME USE OF BOOKS

The date due and date of return of each volume taken with a Library card, shall be stamped thereon, and a book slip, containing the title and call number of the volume shall have date of issue stamped and reader's designation added.

The slips for each day shall be placed in the numerical order of the call numbers in a dated compartment of the tray used for their preservation. When a book is returned the corresponding slip shall be taken from the tray and returned to its book.

Books taken from the Library must be returned or renewed within fourteen days. Periodicals must be returned or renewed within three days. Books and periodicals must be returned to the Library after one renewal. No book or periodical returned to the Library shall be re-issued until it has been returned to the shelves. Persons returning books should always deliver them to one of the attendants.

Any person who retains a volume longer than the regulations permit shall be fined two cents for each day of detention. When a book becomes overdue, not being returned within fourteen days from and after the day on which it was taken, (or three days in case of an unbound magazine) a notice shall be sent to the holder, by mail, on the day the book becomes overdue, requesting its return. If it is not returned within seven days from and after the date of the first notice, a second notice shall be sent, and if the book is not returned within seven days from the date of the second notice, a messenger may be sent for it, the cost of sending being charged to the holder of the book. If, however, a book becomes due on Sunday, it may be returned without fine, on the next day following.

No person shall be allowed to take a book from the Library, who appears by the records to be accountable for a book taken, or for a fine imposed.

Books shall not be issued to members of households in which contagious disease is known to exist.

All persons having books from the Library, will be held responsible for their injury or loss, and when injury or loss to any book occurs, the registered holder of the card, with which book was taken, shall replace the book or pay the amount determined by the Librarian.

If any holder of a Library Card neglects or violates the rules of the Library, the Librarian shall have authority to cancel the card for the remainder of the year for which it is issued, and when a card is cancelled for this reason, the holder of the card shall not be entitled to further use of the Library until authorized by the Library Committee.

When all the spaces on a Library Card are stamped, a new card shall be issued, on the surrender of the old one, provided the time for which the card was issued has not expired.

When a card is lost, the Librarian may issue a new one seven days after notice of the loss has been given at the Library, but the loss of a card will not remove the owner's responsibility for its subsequent use. If a lost card is recovered after a new one has been issued in its stead, the duplicate must be immediately returned to the Library.

A record shall be kept of the number of books issued daily from each class for home use.

ARTICLE V

CATALOGUES AND OTHER RECORDS

Works added to the Library, whether by purchase or gift, shall be entered, when received, in the Accession Book.

There shall also be a Serial record kept for all magazines or other serials, until the completed volumes are bound and entered on the Accession Book.

The Gift record on cards shall show what each individual or corporate body has given to the Library.

The Removal record lists the works lost, worn out or for any other reason removed; the exact number of pieces belonging to the Library at any moment being found by subtracting the last number in the Removal book from the last number in the Accession book.

The Shelf List is a record on cards of all books, in the order in which they belong on the shelves.

The main public catalogues* are on cards in the dictionary form—i. e., authors, subjects and titles in one alphabet, with separate alphabet for fiction.

Lists of new books shall be posted from time to time on the public bulletin boards.

ARTICLE VI

THE BOOKS

The main collection is classified by the Dewey "Decimal classification" with some modifications, and is shelved in the stack building.

The following classes of books are permanently removed from their places:—

The children's collection in the Children's room.

*At present there are unfortunately four card catalogues, each supplementing the others. Additions are made to the newer Fiction and Non-fiction catalogues only, and in time the new and old catalogues will be combined.

"Restricted" books; works of rarity or value or for other reason removed from circulation and shelved in the vault.

Reference collection, shelved in the Reference room.

Cataloguer's collection, shelved in the Cataloguing Room.

Other works are temporarily out of place:—

Books loaned.

Books in use by readers in the building.

Material at bindery.

New books in "New book cases."

Books on special reference lists in Reading Room.

Patrons of the Library are requested to recommend for purchase books which would seem to be desirable additions to the collection. If it is decided to make such purchase, notice is sent to the person making the recommendation.

ARTICLE VII

ORDER IN THE BUILDING. PENALTIES

Conversation, avoidable noise and disorderly conduct are prohibited. Dogs or other pets are not allowed in the building.

Attendants are required to check irregularity of any kind and report if necessary to the Librarian.

Those unwilling to abide by the Library rules will be debarred from use of the building.

Injury to Library property is covered by Section 21, chapter 128 of the Revised Statutes of the state of Maine: "Whoever wantonly mars, defaces or injures a book, picture, statue or painting, belonging to any public library or library of any association open to the public, or to any literary or educational institution, or any statue erected in any public park or square, or upon any ground open to the public, shall be punished by imprisonment for not more than three months, or by a fine not exceeding fifty dollars."

Report of the Board of Health

To His Honor the Mayor and Gentlemen of the City Council:

The Board of Health submits its annual report concerning work of the Health Department for the year ending March 1st, 1915.

The Board of Health held its first meeting of the year for organization and the transaction of business April 3d, 1914, with all the members present, merely, Richard H. Downing, Dr. Harry W. Osgood and John Goldthwait.

The Board at this meeting elected Richard H. Downing, chairman, and John Goldthwait, secretary and executive officer for one year.

The Board has held regular and special meetings as required during the year.

The following figures will show what we have had for contagious diseases in our City the past year. The number of resident deaths from all causes for the year ending March 1st, 1915, was 440, the death rate being about 17 per 1,000; the non-resident deaths at the several hospitals in the city was 141.

The births for the year were 482, showing a gain over the deaths of 42.

There has been reported to the Board for the year ending March 1st, 1915: eight mild cases of diphtheria with one death; thirty-nine cases of scarlet fever with two deaths and twenty-six cases of typhoid fever with eleven deaths. Eleven of the typhoid cases were sent to the Bangor hospitals from out of town which leaves but fifteen that belonged to our City. The

scarlet fever cases were all very mild with the exception of two cases that resulted in death.

The deaths from Tuberculosis for the year was 40.

We would call your attention to the open sewer from Harlow St. to upper Curve St. which is very bad. Several families are living very near to this place and have to suffer from the stench and it is dangerous to health and should be attended to early this spring. It will not be a very expensive matter. The dumps about the city have been kept clean and in good condition and have caused very little complaint. There is no excuse for people putting their waste and rubbish where it will make trouble or annoyance when there is a dump on each side of the city and a man there to take care of the refuse, one dump on the east side on Pine St. extension and on the west side on Sidney St. near Third.

In this report we wish to call your special attention to the public toilet in City Hall. We think it should be removed or put in proper sanitary condition and at an early date.

Through this report we wish to thank most heartily all citizens and particularly the physicians for the promptness in reporting contagious diseases and also for the cordial support which they have given us in the performance of our duties.

We wish also to thank the Mayor and City Government for their kindness and assistance.

Respectfully submitted,

HARRY W. OSGOOD

RICHARD H. DOWNING

JONH GOLDTHWAITE

Board of Health.

Report of the City Solicitor

BANGOR, MAINE, March 3, 1915.

To the Mayor and City Council, Bangor, Maine.

The following report of the City Solicitor is hereby submitted for the municipal year of 1914-1915:

CASES IN COURT

There was entered at the January Term of the Supreme Judicial Court, Penobscot County, an action brought by Charles W. Hayes against the City of Bangor, which is an action for personal injuries sustained in which damages are claimed in the sum of two thousand dollars.

At the same term of court another action, City of Oldtown, against the City of Bangor, was entered, which is an action for pauper supplies furnished James McDonald and his family, amounting to \$168.21. In this case a special demurrer has been filed. At the April term, 1915, the demurrer will be in order for argument and the two cases in order for trial upon their merits.

A bill in Equity has been brought by the Bangor Box Company against M. A. Sinclair, Superintendent of Water Works, and the City of Bangor, calling for the restraint of said Sinclair, or the City of Bangor, in shutting off water for an alleged non-payment of water rates. A temporary injunction was issued and the answer has been filed in the case, and it is in order for trial, or hearing at the April Term, 1915.

At the April term, 1914, the case of Joseph P. Bass against the City of Bangor, being an appeal from award of damages for the Central street widening, was tried before a jury and the verdict rendered in favor of the City at that time was paid, thereby closing that case.

I think this substantially sets forth in detail the court work of the City Solicitor during the year.

At this time I want to state as emphatically as possible that in my opinion the salary of the City Solicitor is unquestionably small. The fact that the City Solicitor is attorney for a corporation of many millions of dollars and at all times subject to call of the Mayor, members of the City Council, and subordinate officers, makes the position one of many duties and much hard work. I cannot at this time too strongly urge that the salary be fixed at a sum not less than twelve hundred dollars per year.

I hereby extend to the Mayor, members of the City Council and Subordinate Officers, my thanks for their co-operation with me in all matters.

Respectfully submitted,

B. W. BLANCHARD,
City Solicitor.

Report of the City Physician

BANGOR, ME., March 22, 1915.

To His Honor, the Mayor, and Gentlemen of the City Council:

I hereby submit my report as City Physician, for the year ending March 22, 1915.

Number of visits at City Hospital.....	163
Number of visits outside of Hospital.....	243
Whole number of visits.....	406
Number of deaths.....	28
Number of births.....	6

Respectfully submitted,

A. A. BROWN,

City Physician.

Report of the Harbor Master

To the Mayor and the City Council of the City of Bangor:

Gentlemen: The harbor master submits his report for 1914-1915.

The ice left the river Thursday, April 9th, and the port closed to navigation Wednesday, Dec. 23, 1915, open to navigation 259 days.

During this time 883 vessels arrived: 455 steamers, 301 schooners, 108 barges, 19 yachts; with a gross tonnage of 737,244 tons.

Foreign vessels arrived 2; arrived from foreign ports, 4; cleared for foreign ports, 5.

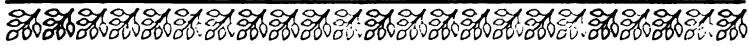
During the year merchandise arrived by vessel as follows: 369,014 tons of coal, 76,819 barrels kerosene and gasoline, 420 tons coke, 10 M brick, 8,625 casks lime, 575 tons gravel and sand, 41,397 barrels cement, 1,100 M lumber, 4,769 tons phosphate, 30,650 bushels salt, 135 tons stone, 544 cords pulp wood, 59,434 bushels corn, 256 tons of hollow brick, 18 tons paint (258 pkgs.), 6 tons merchandise (196 pkgs.), 2 tons sheet lead, 1,558 barrels pitch, 223 tons paper (5050 pkgs.), 5 barrels lubricating oil, 17 barrels cod oil, 5 tons white lead, 15 barrels plaster, 32 bdls. iron, 6 tons iron, 7 kegs nails, 15 bdls. cans, 1 oil tank, 36 boxes grease, 2 barrels borax, 1 ton roofing tools, 1 bale gum, 31 tons poultry feed, 201,430 lbs. fish, 1,340 barrels fish, 1 complete plant for hoisting coal.

Respectfully submitted,

EDWIN LORD,
Harbor Master.



Report of the Water Board



BANGOR WATER BOARD

1915

THE MAYOR, President, *ex-officio*

MILTON S. CLIFFORD.....Time expires March, 1918
ALBERT L. BLANCHARD.....Term expires March, 1918
JOHN F. WOODMAN.....Term expires March, 1917
F. PARKER DENACO.....Term expires March, 1917
WILLIAM S. HIGGINS.....Term expires March, 1916
BERNHARD M. KIRSTEIN.....Term expires March, 1916

WALTER I. BROWN, *Clerk*

STANDING COMMITTEES

ADVISORY COMMITTEE

W. S. Higgins A. L. Blanchard B. M. Kirstein

AUDITING COMMITTEE

J. F. Woodman M. S. Clifford B. M. Kirstein

DAM AND WATER WORKS

W. S. Higgins M. S. Clifford F. P. Denaco

LAND DAMAGES COMMITTEE

J. F. Woodman A. L. Blanchard F. P. Denaco

OFFICERS

Melville A. Sinclair.....Superintendent
John W. Dougherty.....Chief Engineer Pumping Station
Walter I. Brown.....Clerk and Collector
Cornelius O'Brien.....Inspector
Prof. Jas. M. Caird, Troy, N. Y.....Consulting Chemist
A. C. Powell.....Resident Chemist
Delia G. Mann.....Assistant Water Board Office
F. Virginia Cluff.....Assistant Supt. Office

BANGOR WATER BOARD

Date of Election and Length of Service of Members, 1875-1915

*Geo. Stetson	1875-1887
*W. T. Pearson, resigned, and	
*G. L. Boynton, elected	1875-1877
*L. H. Eaton	1875-1877
*A. G. Wakefield	1877-1879
*J. S. Ricker	1877-1879
*M. S. Drummond	1877-1880
*Sprague Adams	1877-1879
*Hiram B. Williams	1877-1887
*Geo. Savage	1877-1878
*Hiram H. Fogg	1878-1893
*Thomas W. Vose	1879-1901
Wm. Conners	1879-1883
*Silas D. Jones	1879-1885
*John L. Cutler	1880-1891
T. U. Coe	1883-1886
*Charles I. Collamore	1885-1900
*James Adams	1886-1903
Thomas White	1887-1896
Hugh R. Chaplin	1891-1894
Chas. S. Pearl	1893-1896
*James H. Snow	1894-1897
T. U. Coe	1896-1905
W. W. Fellows	1896-1899
*Warren A. Bragg	1897-1906
Charles F. Bragg	1899-1905
Milton S. Clifford	1900-1906
William Z. Clayton	1901-1904
William W. Fellows	1904-1907
George E. Wharff	1904-1907
Freeland Jones	1905-1908
*Jas. B. Mullen	1905-1911
Jas. F. Singleton	1906-1909
Edward S. Perry	1906-1909

Charles F. Bragg.....	1907-1910
Arthur Chapin.....	1907-1910
Milton S. Clifford.....	1908-1911
F. Parker Denaco.....	1909-1912
*William H. Gorham.....	1909-1912
William S. Higgins.....	1910 Now in Office
Patrick J. Feeney.....	1910-1912
Flavius O. Beal.....	1911-1913
John F. Woodman.....	1911 Now in Office
Milton S. Clifford.....	1912 Now in Office
Albert L. Blanchard.....	1912 Now in Office
Bernhard M. Kirstein.....	1912 Now in Office
John H. Rice.....	1913-1914
F. Parker Denaco.....	1914 Now in Office

*Deceased

PRESIDENTS OF THE BOARD, *ex-Officiis*

Mayor, *Augustus C. Hamlin.....	1877-1879
" *William H. Brown.....	1879-1881
" *Lysander Strickland.....	1881-1883
" *Frederick A. Cummings.....	1883-1884
" *Samuel F. Humphrey.....	1884-1885
" *Edward B. Nealley.....	1885-1887
" Charles F. Bragg.....	1887-1890
" Edward H. Blake.....	1890-1891
" *Joseph F. Snow.....	1891-1892
" Flavius O. Beal.....	1892-1895
" *Charles L. Snow.....	1895-1896
" Flavius O. Beal.....	1896-1899
" Arthur Chapin.....	1899-1902
" *William Engel.....	1902-1903
" Flavius O. Beal.....	1903-1905
" William B. Pierce.....	1905-1907
" John F. Woodman.....	1907-1911
" Charles W. Mullen.....	1911-1913
" Flavius O. Beal.....	1913-1914
" John G. Utterback.....	1914-1915
" Frank Robinson.....	1915

*Deceased.

Report of Water Board

To the City Council of Bangor:

The Water Board herewith submits its 40th Annual Report, together with the reports of its Superintendent, Chief Engineer, and Clerk and Collector.

During the past year new water mains have been laid to the total of 3204 feet, while 1304 feet have been relaid in larger sizes. The following statistics with reference to this department may be of interest:—

Total amount of distributing mains now in the system is 55.1 miles.

Total number of services connected therewith, 5162.

Total number of fire hydrants, 316

Total number of valves, 581.

Total number of meters, 125.

Total number of street standpipes, 36.

The most important work at the Pumping station this year was the installation of a low-service centrifugal pump which supplies raw water to the sedimentation basin, and has a pumping capacity of ten million gallons per twenty-four hours. The Board has already contracted for two 42-inch water wheels of a capacity of 122 H. P., on a 4-ft. head, and for an 150 H. P. generator, so that provision will be made at all times for the operation of this pump. These will be installed at the station in June or July, and when completed, and when some necessary work is done to the retaining wall, the pumping station will, in the opinion of the Board, be in first-class condition.

The next important expenditure on the part of this Board ought to be the erection of a new standpipe, the need for the same being very apparent in the case of breaks or leaks, of which there were three during the past year. Provision for a new standpipe ought to be seriously considered during the coming year and a definite plan agreed upon as to the location and size of this standpipe, so that, if possible, some beginning can be attempted toward the ultimate result which is so essential for the safety of the service. The question of fire protection must be taken into consideration in connection with this matter, and the necessity for this improvement will be plainly evident.

The total amount of water delivered to consumers during the year has been 1,394,427,000 gallons, or an average per day of 3,820,000 gallons, a decrease of 4% from last year. One of the causes for this decrease has been the mild weather during the winter months, although during the few cold snaps which we have had, an increase of over a million gallons per 24 hours has been noticeable. This demonstrates again what we have repeatedly pointed out in previous reports, that something must be done to prevent the great waste of water caused by takers leaving the fixtures open to prevent freezing. Should this waste continue, causing as it does severe strain on the system in pumping nearly double the amount of water actually needed for legitimate purposes, as well as constituting a serious danger of a shortage of water in case of a conflagration, there is but one remedy available, in the opinion of the Board, and that would be the general introduction of meters.

The filters continue to give entire satisfaction, and attention is called to the report of the consulting engineer, Prof. James M. Caird.

The cash receipts for the year were \$89,270.43, and with the revenue for water from all sources, \$103,242.02. The Clerk and Collector has been successful, as usual, in collecting the full

amount due the Board with the exception of one account, which is the first in 17 years. The account in question has been referred to the City Solicitor for settlement. During this year there have been but three services shut off on account of non-payment of the water rates.

Respectfully submitted,

JOHN G. UTTERBACK, Mayor

JOHN F. WOODMAN

F. P. DENACO

BERNARD M. KIRSTEIN

WILLIAM S. HIGGINS

MILTON S. CLIFFORD

ALBERT L. BLANCHARD

} Members

Report of the Superintendent

March 1, 1915.

To the Bangor Water Board:

Gentlemen:

I respectfully submit to you for your approval the fortieth annual report of the Superintendent for the municipal year ending February 28, 1915.

EXTENDED STREET MAINS

The distribution mains are all in good condition. Several have been relaid in different districts of the city to increase the fire supply and domestic service. The following are the new extensions:—

Location	Feet	Size in Inches
Jesse St., from Grace Court, east.....	65	2
Bellevue Ave., from Garland, south.....	238	6
Sidney, from end of old C. I. main, west....	40	6
Haymarket Sq. south to Independent St....	155	6
Linden, from end of old C. I. main, west....	52	6
Larkin, from West Broadway, south.....	56	6
Broadway, from Center to Arctic.....	808	8
Centre, from Poplar to Broadway.....	206	8
Fountain, from Linden, south.....	112	8
Broadway, from French to Centre.....	1472	12
	<u>3204</u>	
Total number of two inch wrought iron main.....		65 feet
Total number of six inch cast iron main.....		541 "
Total number of eight inch cast iron main.....		1126 "
Total number of twelve inch cast iron main.....		<u>1472 "</u>
Total extension.....		3204 "
Relaid to larger sizes.....		<u>1304 "</u>
Total number of feet extended and relaid.....		4508 "

The twelve inch main on French St. has been extended from the junction of French and Broadway to the junction of Broadway and Centre. This has already proved a great benefit to the fire service in that district. The eight inch main on Broadway has also been extended to Arctic St. and two Mathews fire hydrants set on the line.

I recommend that the six inch mains on Boutelle Road and Royal Road be extended and connected to the eight inch line on Webster Ave., this will discontinue the "dead ends" and increase the fire service.

Several petitions have been accepted and ordered on file for the laying of new mains the coming year.

BREAKS AND LEAKS

Three quite serious breaks have occurred during the year: Nov. 12, 1914, the twelve inch city supply main at State and Howard Sts.; Nov. 19, 1914, the four inch residential supply at Centre and Willow Sts., and Nov. 15, 1914, the twenty-four inch city supply at the Pumping Station; this last accident was very serious and expensive in repairing, it was necessary to remove a portion of the wall of the pump house.

Eighteen minor leaks have been repaired in mains and service pipes.

FIRE HYDRANTS

The fire hydrants are all in their usual good condition. Four have been added during the year.

Location	Pressure per Sq. In.	Pattern
Bellevue Ave. and Garland St.	75	M*
Broadway and Alden Sts.	65	M
Broadway and Arctic Sts.	68	M
Central and Harlow Sts.	108	M

Total number of hydrants connected with system, 316.

*M—Mathews—made by R. D. Wood & Co.

VALVES

The valves are in good repair; several stuffing boxes have been repacked and many wooden case boxes have been replaced with iron of the adjustable type. It will be necessary to continue to renew cases the coming year, some of the old ones have been in service since 1875.

SETTING FOR THE YEAR

Location	Size in inches
Sidney St.	2
Church Lane and Gridley St.	2
Howard St. (blow-off)	2
Harlow and Centre Sts.	4
Franklin St. (east side)	4
Boyd and York Sts. (south)	4
Main St., Adams Dry Goods Co., Automatic Fire Service.	6
Broad St., Rice & Miller Co., Automatic Fire Service.	6
Main St., Bangor House, Automatic Fire Service.	6
Broad St., N. H. Bragg Sons, Automatic Fire Service.	6
Pleasant St., H. L. Day Son & Co., Automatic Fire Service.	6
Exchange St., Bangor Publishing Co., Automatic Fire Service.	6
Main St., E. C. Nichols Dry Goods Co., Automatic Fire Service.	6
Bellevue Ave. and Garland Sts.	6
Pleasant and South Sts.	6
Central and Harlow Sts.	6
Broadway and Alden Sts.	6
Broadway and Arctic Sts.	6
Sidney St.	6
Water and Pickering Sq.	6
Haymarket Sq. and Independent Sts.	6
Haymarket Sq. and Independent (hydrant line)	6
Linden and Fountain Sts.	6
Somerset and Forest Ave.	6
Larkin St. and West Broadway (south)	6
Bellevue and Garland Sts.	8
Central and Harlow Sts.	8
Broadway and Centre Sts.	8
Centre and Broadway.	8
Centre and Poplar Sts.	8
Newbury and Hancock Sts.	8
French and Broadway.	12
Total 32.	

VALVE DATA

Sizes.	1½	2	4	6	8	12	16	20	24
No.	1	35	138	329	46	15	5	11	1

Total 581.

SERVICES

Sixty-nine new services have been added, one hundred and five renewed, and seven discontinued during the year. The total number connected with the system at present is 5162.

METERS

All meters are in good condition; the following table gives the number set in service.

Size.....	½"	¾"	1"	1½"	2"	3"	4"	6"	Total
Crown.....	17	2	5	10	7	0	0	1	42
Empire.....	0	19	0	2	4	0	0	0	25
Nash.....	0	4	0	0	0	0	0	0	4
Gem.....	0	0	0	0	5	21	2	0	28
Lambert....	0	1	6	4	5	0	0	0	16
Hersey.....	0	0	5	0	0	0	0	0	5
Disc.....	0	4	0	0	0	0	0	0	4
Trident....	1	0	0	0	0	0	0	0	1
Total....	18	30	16	16	21	21	2	1	125

STREET STANDPIPES

None have been added during the year; the total number at present is 36. One has been discontinued from the list of last year.

Location

EAST SIDE

Congress and Centre
Cumberland and Market
Elm, near School House
Fern and State
Grant and Linden
Hancock and Birch
Hancock and Oak

Harlow and Central
Harlow and Curve
Kenduskeag Ave. and Jefferson
Newbury and York
North Park, between Broadway and Stillwater Ave.
Palm and Garland
Pine and State
State, oppo. B. R. & E. Car barn
Somerset and French
Washington and Hancock

WEST SIDE

Allen and Hammond
Buck and Main
Cedar and Main
Cottage, near Ohio
Cottage and Union
Court, near Clark
Main, near Railroad Bridge
Main, oppo. Patten
Main, near City Farm
Ohio, near Fourteenth
Pond and Cedar
Railroad, near Front
Second St., near Water Department pipe yard
Summer and Union
Third and Cedar
Union and Hammond
Warren and Fourth
West Broadway and Hammond
Ohio near George

STANDPIPE

The Standpipe and Superstructure are in good condition; the deck canvas was painted; but I think it will be necessary to renew it another year for it is badly worn.

DEPARTMENT BUILDINGS

The buildings of the department are all in good condition; the store house on Second St. has been repaired and painted,

and the buildings at the Pumping Station have received a few minor changes.

It will be necessary to finish the concrete retaining wall between the Pumping Station and the Engineer's residence as soon as possible, also to renew the platform leading to the Wheel House.

DAM AND PIERS

The woodwork in the flumes has been thoroughly repaired; at present the crews are at work on the sluice; more extensive repairs will be necessary next year. The piers above the dam are all in good condition. A few slight repairs will be made to the fishway this winter.

NEW PUMPING EQUIPMENT

Our pumping system has been strengthened by installing a low service centrifugal pump which supplies raw water to the sedimentation basin. This pump is arranged to be driven by electric motor, steam turbine, or water power, and has a pumping capacity of ten million gallons per twenty-four hours. A convenient position for this machine was found in the old filter house by removing the old filters; the change also gives adequate quarters for a blacksmith shop and a large storeroom.

In closing I wish to thank the Mayor, Water Board, Officers, and employees of the department for their hearty cooperation during the year.

Respectfully,

M. A. SINCLAIR, Superintendent.

Report of the Water Collector

Water Collector's Office,
Bangor, March 1, 1915.

To the Bangor Water Board:

Gentlemen:—In compliance with the requirements of the city ordinance, I herewith present the fortieth annual report of the department, showing the receipts, expenditures and refunds for the year ending February 28, 1915.

CASH STATEMENT

On hand February 28th, 1914.....	\$ 740 22
Received from general service, from March 1, 1914, to March 1, 1915.....	89,103 16
Received from fines, delinquent water customers...	79 27
Received from sundry parties, water used for build- ing purposes.....	70 50
Received from water supplied to circuses.....	17 50
	\$89,270 43
Received from sale of cast iron pipe, scrap, etc....	\$ 327 49
Received from sale of ledge rock.....	25 00
Received from sale of grass.....	15 00
Received from labor and material, furnished for automatic sprinkler systems, etc.....	966 30
Received from sale of old filter plant, scrapped....	1,172 89
	\$92,517 33

CONTRA

By paid H. O. Pierce, City Treasurer.....	\$91,700 00
Paid water customers for vacancies and non-use of fixtures.....	246 14
Cash on hand.....	571 19
	\$92,517 33

With the exception of one account, a metered service, all water rates charged within the year ending Feb. 28, 1915, have been paid.

The item referred to, the party denied payment and the Water Board, at a meeting held on Sept. 2nd, ordered the water service shut off.

Before the order was executed an injunction was issued enjoining the department from shutting off said service. The matter was at once placed with the City Solicitor, where it now remains.

CHARGES ON WATER LEDGERS

Amount per schedule ledger, from March 1, 1914, to	
March 1, 1915.....	\$71,970 12
Amount per meter ledger.....	17,910 63
Amount per petty ledger.....	88 00
Amount to charitable institutions.....	2,297 00
	\$92,265 75

REFUNDS

Water rates to the amount of.....	\$ 246 14
Which deducted from the receipts for water.....	89,191 16
Leaves net receipts for water.....	\$88,945 02
Add the amount credited the department for water	
furnished to Charitable Institutions.....	2,297 00
Add the amount appropriated by City Council, and	
credited the department for water furnished the	
various departments.....	12,000 00
	\$103,242 02

TURN OFF AND SHUT OFF RECORD

Nine hundred thirty-one (931) orders have been issued for turning on water and removing seals from fixtures.

Ten hundred ninety (1090) orders have been issued for shutting off water on account of vacancies and seals applied to fixtures at the request of owners.

NON-PAYMENT OF WATER RATES

It has been necessary to shut off the service for the non-payment of rates at three premises.

Water rates to the amount of \$2,690.10 have been paid in advance of April 1, 1915.

The following amounts represent the valuation of water furnished the City departments:

Incidental Account.....	\$ 921 00
School Department.....	1,610 25
Highway Department.....	1,312 50
Fire Department.....	8,051 50
Pauper Department.....	222 50
Sewer Department.....	400 90
Water Department.....	117 00
Electric Department.....	62 00
Police Department.....	111 00
Park Department.....	350 00

There were 69 new water services installed during the past season, and the fixtures connected therewith amount to \$2,563.50 classed as follows:

114 sinks	101 sill faucets
200 water closets	5 chair bowls, dentist use
131 bath tubs and 7 shower baths	4 barber chairs
214 wash bowls	12 urinals
95 set wash trays	1 air pump
16 cellar faucets	3 motors
1 private garage	3 counter faucets
10 stable faucets for	7 soda fountain glass washers
24 horses and 4 cows	4 slop hoppers
15 plain faucets	7 steam boilers
1 elevator, private	1 laundry washer
1 sump pit pump	1 spray, bakers use

The Inspector, Mr. Cornelius O'Brien, has reported as having inspected the fixtures at 6871 dwellings and places of business. He was unable to gain admittance at 243 dwellings and business premises.

The revenue from the number of fixtures returned by the Inspector, which had not otherwise been reported amount to \$61.00.

The records which are furnished by the Inspector, as compared with those of other cities, furnish the strongest proof of the systematic method created by this department.

We again urge the increasing necessity of sending to each customer the amount of their water rates and therein affording them the direct benefit derived from such notices.

Without doubt the customers who are the least able to pay the 10 per cent fines are those who do not take our daily papers which contain the only notices pertaining to their water dues.

It is a noticeable fact that under the present method of collecting there are fully one hundred and fifty telephone inquiries and requests received each quarter relative to customers accounts, which a modern system would obviate.

YEARLY REVENUE

Statement of the yearly revenue received from water service since the introduction of the Water Works in 1875:

From introduction to March 14, 1877.....	\$7,198 55
From March 14, 1877 to March 14, 1878.....	11,835 75
From March 14, 1878 to March 14, 1879.....	20,269 50
From March 14, 1879 to March 14, 1880.....	20,970 50
From March 1, 1880 to March 8, 1881.....	23,133 00
From March 8, 1881 to March 15, 1882.....	26,014 00
From March 15, 1882 to March 14, 1883.....	26,408 00
From March 14, 1883 to March 14, 1884.....	26,947 61
From March 14, 1884 to March 14, 1885.....	28,052 00
From March 14, 1885 to March 16, 1886.....	35,875 75
From March 16, 1886 to March 16, 1887.....	33,465 75
From March 16, 1887 to March 13, 1888.....	35,118 97
From March 13, 1888 to March 12, 1889.....	37,316 61
From March 12, 1889 to March 13, 1890.....	40,552 12
From March 13, 1890 to March 10, 1891.....	44,668 30
From March 10, 1891 to March 10, 1892.....	46,864 09

From March 10, 1892 to March 10, 1893	47,763 19
From March 10, 1893 to March 10, 1894	49,878 83
From March 10, 1894 to March 1, 1895	53,405 30
From March 1, 1895 to March 1, 1896	56,005 43
From March 1, 1896 to March 1, 1897	59,173 21
From March 1, 1897 to March 1, 1898	63,447 10
From March 1, 1898 to March 1, 1899	66,766 72
From March 1, 1899 to March 1, 1900	66,610 91
From March 1, 1900 to March 1, 1901	60,300 68
From March 1, 1901 to March 1, 1902	61,673 52
From March 1, 1902 to March 1, 1903	64,362 83
From March 1, 1903 to March 1, 1904	66,559 27
From March 1, 1904 to March 1, 1905	66,829 59
From March 1, 1905 to March 1, 1906	71,222 24
From March 1, 1906 to March 1, 1907	75,001 98
From March 1, 1907 to March 1, 1908	76,875 63
From March 1, 1908 to March 1, 1909	78,738 09
From March 1, 1909 to March 1, 1910	81,812 92
From March 1, 1910 to March 1, 1911	81,615 38
From March 1, 1911 to March 1, 1912	95,579 94
From March 1, 1912 to March 1, 1913	98,895 00
From March 1, 1913 to March 1, 1914	102,888 18
From March 1, 1914 to March 1, 1915	103,242 02

\$2,113,338 46

Respectfully submitted,

WALTER I. BROWN,

Clerk and Collector.

Itemized Account of Receipts and Expenditures

RECEIPTS

Amount received from the City Council, same being appropriated for water used by the various departments, said amount being deposited account Sinking Fund.....	\$ 12,000 00
Amount received from W. I. Brown, Collector of Water Department.....	91,700 00
Amount received, for water furnished to Charitable Institutions et al.....	2,297 00
Amount received from sale of old iron, etc.....	379 13
	\$106,376 13

EXPENDITURES

Maintenance and construction.....		\$59,225 09
Works maintenance.....		\$11,805 98
Pay roll.....	\$5,507 09	
Arnold, J. M. Shoe Co., rubber boots.....	7 47	
Atkins Bros., repairs.....	121 53	
Bangor Broom Co., brooms.....	8 05	
Barnes, J. I., filing saws.....	1 80	
Berry & Smith, duck.....	6 50	
Bragg, N. H. & Sons.....	88 44	
Brown, W. I., Collector.....	70	
Caird, James M., pay roll.....	134 43	
Casey, Francis T., 122 sq. yds. concrete.....	109 80	
Cassidy, T. F. & Son.....	70	
Citizens Ice Co., ice.....	21 50	
Chapin, Arthur Co., washing powder.....	4 00	
Connor Coal & Wood Co., wood.....	4 00	
Dickey, W. P. & Co., lantern globes.....	1 50	
Dole Co., The, fuses, etc.....	143 34	

Dunning, R. B. & Co., hardware.....	11 22
Eastern Cement Co., cement.....	1 90
Eddy Valve Co.....	20 30
Eldridge, Fred E. Co., paint.....	9 70
Electric Dept., repairs.....	52 16
Fairbanks Bros., labor.....	2 30
Foley, Fred M. Co., 1 bbl. oil.....	20 00
Garlock, The Packing Co., valves, etc.....	34 62
Haynes & Chalmers Co., hardware.....	30 15
Hincks, The Coal Co., coal, engineer's house.....	22 50
Hincks Coal Co., The, coal.....	872 64
Ingersoll-Sergeant Drill Co.....	4 10
Keystone Lubricating Co., $\frac{1}{2}$ bbl. grease.....	41 70
Lancaster, M. H.....	5 80
Morse & Co.....	8 35
Noyes & Nutter Mfg. Co., galv. pipe, etc.....	21 75
Penobscot Machinery Co.....	40 21
Reilly, R. J. Roofing Co., work on roof.....	61 75
Rice & Miller Co., putty, glass, lead.....	2 08
Schwartz, M. Sons, supplies.....	163 92
Stickney & Babcock Coal Co., wood.....	23 00
Union Iron Works, repairs on engine, etc.....	2,807 12
Vacuum Oil Co., viscolite.....	224 36
Ward, John M., labor.....	8 90
Woodman, J. F. & Co., coal.....	1,154 60
Street maintenance.....	\$13,933 25
American Express Co., express.....	99
Atkins Bros. & Co., painting stand pipe.....	25 41
Babb, C. H. & Co.....	12 95
Bacon & Robinson Wood Co., wood.....	7 75
Bangor Ice Co., ice.....	6 85
Bangor Publishing Co., adv., water due.....	191 84
Barnes, J. I., filing saws.....	1 40
Bass, J. P. Pub. Co., adv.....	280 99
Bond, Harold L. Co., hose, pump, etc.....	111 40
Bradbury, Chas. E., trucking.....	32 15
Bragg, N. H. & Sons, hardware, etc.....	82 15

Brown, W. I., Col., clerk hire, telegrams, express, etc.	1,348 14
Builders Iron Foundry.....	39 90
Chadwick Lead Co., tin pipe.....	29 38
Chapin, Arthur Co., salt and oil.....	9 86
Clifford, Fred H., service on readers.....	11 00
Columbia Towel Supply Co., towels.....	4 80
Connor Coal & Wood Co., wood.....	11 00
Cort, Fred, charcoal.....	60 00
Darley, W. S. Co., wireless electric pipe locator...	63 70
Dickey, W. P. & Co., lanterns.....	13 00
Dole Co., The, flashlight, labor.....	1 85
Dunning, R. B. & Co., hardware, etc.....	90 51
Eastern Cement Co., cement.....	6 30
Eldridge, Fred E. Co., painting and other repairs .	129 45
Fairbanks Bros.....	24 11
Freeman, Dr. R. E., veterinary.....	3 00
Getchell Bros., brick.....	24 00
Grady, John, cast iron fittings.....	28 57
Grant, J. M.....	15 65
Gorham, W. H. & Co.....	4 25
Green, J. Frank, 2 loads gravel.....	4 00
Haynes & Chalmers Co., dynamite, exploders, etc..	82 08
Highway Dept., laborers.....	29 00
Hincks Coal Co., The, coal.....	63 63
Holyoke, R. H., spruce poles.....	9 00
Kellogg, Robert M., 1 bell sleeve.....	95 00
Lancaster, M. H., carpenter work.....	267 63
Lead Lined Iron Pipe Co., pipe, etc.....	181 23
Leighton, Leland & Grant, shoeing horses.....	23 35
Martins Bros., shades.....	6 50
Morse, F. S., labor.....	2 05
Morse & Co., lumber, etc.....	822 43
Mueller Mfg. Co., pipe cutter.....	300 00
National Lead Co., pipe.....	66 13
New England Tel. & Tel. Co.....	146 90
New York Continental Jewel Filtration Co., valves	40 50
Noyes & Nutter Mfg. Co.....	28 39

Pay Roll.....	6,883	23
Pendleton, C. E., battery and flash light.....	2	40
Penobscot Machinery Co., tools and repairs.....	600	61
Peterson, C. H.....	2	03
Revere Rubber Co., 2 Edison diaphragms.....	4	12
Rice & Miller Co., files, etc.....	32	77
Ryan, Frank, harness repairs.....	16	40
Sampson, Geo. H. Co.....	9	30
Schwartz, M. Sons, hose pipes, wrenches, etc.....	34	64
Sinclair, M. A., board of horse.....	234	00
Smiley, W. P., care of standpipe.....	24	00
Smith, The A. P. Mfg. Co., sleeves.....	151	80
Smith, L. C. Bros. Typewriter Co., ribbon for type- writer.....		75
Smith & West, wire, batteries, etc.....	14	63
Snow & Nealley Co., floor brush, rope, etc.....	5	57
Stewart, Chas. M., flag for standpipe.....	15	00
Thoms, H. B., carriage repairs.....	82	60
Tupper, Frank H., difference in horses.....	75	00
Union Iron Works, service boxes, etc.....	407	27
Vose, P. H. Co., supplies.....	5	00
Walworth Mfg. Co., Newport S. & W. cocks, etc..	348	85
Ward, John M.....	30	65
Waterman, J. Co., rubber coats.....	16	00
Webster, F. S. Co., pencil carbon.....	10	28
Whipple, L.....	2	00
West Disinfecting Co.....	4	00
Wood & Bishop Co., acid.....		90
Wood, R. D. & Co.....		6 00
Woodman, J. F. & Co., coal.....	85	70
	\$13,945	67
Less: refund.....\$	92	
Highway Dept.....	11 50	12 42
	\$13,933	25

Filter Maintenance.....	\$10,258 51
Bangor Ry. & Electric Co., electricity purchased..	125 00
Bragg, N. H. & Sons.....	2 56
Brown, W. I. Col., cash disbursed.....	158 68
Builders Iron Foundry.....	24 51
Caird, James M., pay roll and supplies.....	1,659 03
Chadwick Lead Co.....	10 00
Citizen's Ice Co., ice.....	31 60
Columbia Towel Supply Co., towels.....	8 25
Derby, G. B. Co., sand.....	5 00
Dunning, R. B. & Co., mop handles, garbage pails, etc.....	5 13
Eastern Cement Co., cement.....	13 30
Eastern Mfg. Co., bleaching powder, etc.....	19 57
Elmer & Amend.....	6 91
Eldridge, Fred E. Co., paint and other repairs.....	2 75
Electric Dept., repairs.....	5 92
Gorham, W. H. & Co.....	3 75
Haynes & Chalmers Co., hardware.....	21 97
Hopkins, A. R. Co., lime.....	220 00
Morse & Co., lumber.....	47 44
Noyes & Nutter Mfg. Co.....	1 55
Pennsylvania Salt Mfg. Co., sulphate alumina and lime.....	4,600 27
Rockland-Rockport Lime Co., lime.....	4 50
Schwartz, M. Sons.....	7 37
Sweet, C. Co., extract of beef.....	9 00
Sonneborn, L. & Sons Co.....	2 50
Volkhardt & Co., Inc.....	1 20
Ward, John M.....	1 99
Whitman, Henry F.....	3 43
Woodman, C. Co., lumber.....	105 21
Woodman, J. F. & Co., coal.....	13 79
Pay roll.....	3,130 33
New Machinery.....	\$5,399 00
Platt Iron Works Co.....	5,399 00

Salaries—Superintendent and Collector.....	\$2,815 74
Insurance.....	599 60
Byrnes, P. J.....	\$ 101 36
Baker & Hodge.....	66 88
Boyd, J. Herbert.....	34 50
Fidelity & Casualty Co.....	131 00
Kirstein, Louis & Sons.....	66 88
Lord, Henry & Co.....	18 90
Palmer, W. W.....	66 88
Singleton, J. F. Co.....	113 20

Damage.....	\$1,200 00
Curran, Francis M., Garland St., pipe burst.....	400 00
Doherty, Mary J., pipe burst.....	250 00
Hickson, Thomas F., pipe burst.....	50 00
Riley, Leonora and Alice T. Greeley, Garland St., pipe burst.....	500 00

Filter Construction.....	\$1,312 86
Brown, W. I. Co., cash disbursed.....	1 31
Caird, James, pay roll and expenses.....	79 95
General Electric Co., motor, rheostat, etc.....	1,231 60

Dams and Piers.....	\$1,934 37
Barnes, J. I.....	\$ 2 40
Bragg, N. H. & Sons, rod cut and pointed.....	24 92
Comstock, G. C.....	50
Eastern Mfg. Co., spruce logs.....	11 25
Haynes & Chalmers Co., exploders, etc.....	19 50
Jones, Henry, stone.....	27 00
Morse & Co., lumber.....	633 82
Pay roll.....	1,118 40
Rice & Miller Co., gasoline and dynamite.....	14 08
Smart, H. D.....	32 50
Sullivan, Thos. E., custodian fishway.....	50 00

Office.....		\$1,351 44
Addressograph Co., type, pads, etc.....	3 13	
Atkins Bros. & Co., painting office.....	116 63	
Baker-Vawter Co., book binders, etc.....	7 09	
Bangor Co-Operative Ptg. Co., printing.....	8 75	
Bangor Gas Light Co.....	6 25	
Brown, W. I., Col., cash disbursed.....	131 30	
Burroughs Adding Machine Co., stand for machine and repairs.....	12 25	
Burr, T. W. Ptg. & Adv. Co., supplies and printing.....	149 15	
Cannon & Co., 2 city directories.....	6 00	
Chandler & Co., furniture and repairs.....	81 75	
Dillingham, E. F., office supplies.....	16 75	
Dole Co., The.....	6 45	
Donham, G. M., State Register.....	2 00	
Glass, Chas. H. & Co., printing.....	33 75	
Hodgkins & Fiske Co., linoleum and curtains, cur- tain rods, etc.....	153 46	
Hogan & Callan, umbrella rack and G. O. costumer.....	10 50	
Jones, L. E., Royal typewriter.....	41 00	
Joy, Ira H., cards.....	11 75	
Lancaster, M. H., carpenter work.....	13 25	
Library Bureau, typewriter desk.....	51 00	
Lynch, M. & Co., safe and repairs to vault, etc....	347 40	
Morse & Co., lumber.....	42 99	
Palmer, W. W., steel boxes and shelves for vault....	75 00	
Sullivan, Dan T., office supplies.....	14 50	
Western Union Telegraph Co., rent of clock.....	9 34	
Flume.....		\$ 663 19
Pay roll.....	40 00	
Smart, H. D., carpenter work.....	179 75	
Woodman, J. F. & Co., coal.....	443 44	
Meter.....		\$ 189 68
Brown, W. I., Col., cash disbursed.....	1 27	
Eldridge, Fred E. Co., glass.....	15	

National Meter Co., meter, etc.....	108 26	
Thompson Meter Co., meter, etc.....	80 00	
Street Construction.....		\$7,761 47
Bacon & Robinson Wood Co., wood.....	8 00	
Chadwick Boston Lead Co., lead and wool.....	101 17	
Chapin, Arthur Co., kerosene oil.....	26 36	
Dunning, R. B. & Co., pipe.....	211 67	
Eddy Valve Co., valves.....	530 08	
Maine Central R. R. Co., freight on pipe.....	293 32	
Morse & Co., lumber.....	15 70	
National Lead Co., lead.....	172 46	
Pay roll.....	5,064 49	
Penobscot Machinery Co.....	27 00	
Rice & Miller Co.....	18 51	
Sampson, Geo. H. Co.....	8 63	
Smith, The A. P. Mfg. Co., sleeves and valve.....	154 00	
Standard Cast Iron Pipe & Foundry Co., pipe, tees, and reducers.....	1,064 11	
Tragle Cordage Co. Inc.....	17 36	
Woodman, J. F. & Co., coal.....	48 61	

INTEREST AND WATER BONDS ACCOUNT

Interest on Serial Water Bonds.....	\$ 20,110 00
Interest on Water Improvement Bonds.....	1,800 00
Water Serial Bond Requirements.....	10,000 00
Appropriation carried to Sinking Fund.....	12,000 00
Unexpended balance carried to Sinking Fund Account.....	3,241 04
	\$106,376 13

RECAPITULATION

Street Maintenance.....	\$ 13,933 25	
Office Account.....	1,351 44	
Street Construction.....	7,761 47	
Salaries.....	2,815 74	
Pumping Station Maintenance.....	11,805 98	
Filter Plant Maintenance.....	10,258 51	
Filter Plant Construction.....	1,312 86	
Filter Plant, new machinery.....	5,399 00	
Dam and Piers.....	1,934 37	
Flume.....	663 19	
Insurance.....	599 60	
Meters.....	189 68	
Damage.....	1,200 00	
Interest and Improvement Bond.....	31,910 00	
Sinking Fund.....	12,000 00	
Unexpended Balance carried to Sinking Fund.....	3,241 04	
		\$106,376 13

Report of the Chief Engineer

BANGOR, March 1, 1915.

To the Bangor Water Board:

Gentlemen—Permit me to submit the following report. The amount of water pumped during the past year has been as follows:

1914	
March.....	119,167,400
April.....	104,525,900
May.....	111,179,700
June.....	120,401,100
July.....	130,040,700
August.....	121,077,900
September.....	110,545,700
October.....	112,117,000
November.....	104,194,600
December.....	121,971,100
1915	
January.....	128,397,700
February.....	113,117,900
Total.....	1,396,736,700

This is a daily average of 3,826,676 gallons.

The steam pump was run fifteen days in September, while new frame work was being put in for the trash racks in front of the water wheels that run the Gaskill Pump and Electric plant. It was also run three days in October while the Electric department were repairing their water wheels, and one day in December while we were doing some work on the Dean Power Pump.

In April, the Gaskill pump was down four weeks while the Union Iron Works were making repairs upon it. The plungers

were turned, new bushings put in the cylinders, and new rods put in the plungers. The up-river cylinder was taken up and the plate it sets upon planed off. The crank shaft was lined, and bearings rebabbited, and at the same time we put new seats on the suction and discharge valves.

Other repairs have been only such as are chargeable to ordinary wear and tear of machinery in constant use, and to-day it is in good condition.

The trash racks in front of the water wheels that run the Dean Power Pumps are getting weak and I would advise new racks in the near future.

In closing, I wish to thank His Honor the Mayor, the Water Board, the Superintendent and all those connected with the department in any way for their many courtesies shown during the year.

Respectfully submitted,

J. W. DOUGHERTY,

Chief Engineer.

REPORT OF The Chemist and Bacteriologist

TROY, N. Y., March 6th, 1915.

The Honorable, The Bangor Water Board, Bangor, Maine.

Gentlemen:

Permit me to submit a review of the operation of the Filter Plant for the year ending February 28th, 1915.

The operation of the plant is in charge of Mr. A. C. Powell, resident chemist and bacteriologist.

The water supply for Bangor has been obtained from the Penobscot River since 1876, at which time the original pumps were placed in operation.

The Penobscot River has a drainage area of about 7,700 sq. mi. above the water works intake. The water is highly colored carries little or no turbidity but some pollution, due to sewage from several localities, waste from the pulp mills and drainage from numerous farms.

The new filter plant was placed in operation Feb. 6th, 1911, and consisted of six filter units. In 1912, the plant was increased by the equipment of two blank units, so that at the present time the plant consists of eight units with a total sand area of 3,407 sq.ft.

The minimum capacity of the plant is 8,000,000 gallons per day, but this rate can be greatly exceeded for short periods.

The sand in the filters has an effective size of .55 to .59 mm. and a uniformity coefficient of 1.25 to 1.74.

There has been no trouble from mechanical causes since this plant was placed in operation.

During extreme cold weather there has been some trouble due to the formation of ice in the rear of the beds, under the concrete decks, but this has been overcome by reducing the head of the water on the beds, so that the air may circulate under the filter decks.

In operating the filters during the cold weather, it is necessary to wash them every eight hours otherwise they become "air bound" and permit undesirable water to pass. This condition arises as soon as the temperature of the water is below 45°F. When the water is warmer it is possible to operate the filters at least 16 hours between washings.

Table Showing Water Filtered, Bangor, Me.

Year	Filtered	
1909-10	1,392,824,000 gallons	
1910-11	1,453,981,000	" 4.3% inc.
1911-12	1,507,773,000	" 3.7% inc.
1912-13	1,443,578,000	" 4.1% dec.
1913-14	1,505,350,000	" 4.3% inc.
1914-15	1,443,800,000	" 4.1% dec.

The average amount of water treated during the past year was about 3,956,000 gallons per day.

Table Showing Water Delivered to Consumers, Bangor, Me.

Year	Delivered	
1909-10	1,252,864,000 gallons	
1910-11	1,337,725,000	" 6.7% inc.
1911-12	1,492,563,000	" 11.5% inc.
1912-13	1,387,730,000	" 7.1% dec.
1913-14	1,451,086,000	" 4.6% inc.
1914-15	1,394,427,000	" 4.0% dec.

The decrease in consumption is due to two causes, business depression and mild weather.

During the months of Dec., Jan. and Feb. (1914-15) the consumption of water was 37,184,000 gallons less than for the same period of the previous year.

During the first year the new filters were in operation, 1911-12, there was a large increase in the consumption which would seem to indicate that the quality of the water was very satisfactory.

The average amount of water delivered to the consumers was 3,820,000 gallons per day and with a population of about 25,000 the per capita consumption would be about 153 gallons per day.

Table Showing Waste Water, Bangor, Me.

Year	Gallons	Percent
1909-10.....	139,960,000	10.0%
1910-11.....	116,256,000	7.9%
1911-12.....	47,073,000	3.1%
1912-13.....	55,848,000	3.9%
1913-14.....	98,563,000	6.5%
1914-15.....	92,798,000	6.4%

The waste water includes the water used in washing the filters and also the water discharged from the coagulation basins when being cleaned.

The general operating results will be found, by months, in the following table:

During the year 4,197 filters were washed, an average of 11.4 filters per day. This is an increase of 11.8% in filters washed.

The average amount of water used in washing a filter was about 22,000 gallons, a decrease of 15.6% per filter.

The bacterial efficiency of the plant is shown in the following table, the results cover a period of two years (1909-11) with the old filters and four years with the new filters.

Table Showing Bacterial Removal, Bangor, Me.

Year	Basins	Filters	Total	Mains	Raw to Tap
1909-10.....	62.21%	57.47%	85.63%	29.50%	89.86%
1910-11a.....	79.00%	53.40%	90.28%	00.84%	90.71%
1911-12.....	82.66%	88.25%	97.79%	19.41%	98.67%
1912-13.....	86.09%	91.24%	98.79%	18.75%	99.01%
1913-14b.....	88.14%	88.96%	98.67%	12.50%	98.86%
1914-15c.....	87.81%	88.68%	98.62%	12.20%	98.79%
Avg. 6 yrs.....	80.99%	76.00%	94.96%	15.53%	95.98%

a Calcium hypo-chlorite used three months during 1910-11.

b Calcium hypo-chlorite used two months during 1913-14.

c Calcium hypo-chlorite used four months during 1914-15.

The average amount of calcium hypo-chlorite used was about 14 pounds per million gallons, this was applied to the water before it enters the coagulation basin.

Gelatin media incubated for 48 hours at 20° C. is used in determining the number of bacteria.

It is to be noted that since the new filters were placed in operation there has been a great improvement in the bacterial removal.

It is also interesting to note the decrease in the bacterial content of the water as drawn from the city tap, this water having passed through about 1½ miles of mains.

Table Showing Removal of B. Coli-communis, Bangor, Me.

Year	Basin and Filters	Mains	Raw to Tap
1909-10.....	88.23%	79.02%	97.53%
1910-11.....	89.42%	56.37%	95.38%
1911-12.....	97.63%	77.52%	99.47%
1912-13.....	98.97%	98.89%	99.90%
1913-14.....	98.71%	77.88%	99.72%
1914-15.....	97.86%	85.11%	99.68%
Avg. 6 yrs.....	95.14%	79.13%	98.61%

There has also been an improvement in the removal of the B. Coli-communis since the new filters were placed in operation.

The peculiar character of the water can best be seen from a study of the results of the examinations in detail.

The unfiltered water always contains a high color, very little turbidity and a low alkalinity. The bacterial content varies considerably, the "intestinal bacillus" B. Coli-communis is always present.

Table Showing COLOR, in parts per million, Unfiltered Water Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	145.0	45.0	71.0
1910-11.....	80.0	45.0	55.7
1911-12.....	88.0	45.0	56.0
1912-13.....	135.0	45.0	66.0
1913-14.....	120.0	45.0	59.7
1914-15.....	68.0	38.0	52.4
Avg. 6 yrs.....	106.0	43.8	60.1

The average color of the unfiltered water was 12.33% less than in the previous year and the lowest since the laboratory was installed. The maximum color was 43.34% less than in the previous year while the minimum was 15.56% less and in fact is the lowest color ever found in the unfiltered water.

Table Showing Range in COLOR, in parts per million, Unfiltered Water, Bangor, Me.

Color in parts per million	Year 1909-10 Days	Year 1910-11 Days	Year 1911-12 Days	Year 1912-13 Days	Year 1913-14 Days	Year 1914-15 Days	Avg. 6 yrs. Days
0-30	0.	0.	0.	0.	0.	0.	0.
31-40	0.	0.	0.	0.	0.	25.	4.
41-50	27.	127.	140.	95.	123.	98.	102.
51-60	43.	180.	148.	130.	152.	224.	146.
61-70	150.	57.	63.	41.	32.	17.	60.
71-80	72.	0.	14.	52.	15.	0.	26.
Over 80	71.	0.	1.	48.	43.	0.	27.

During the past year the color of the unfiltered water was above 50 parts per million on 241 days or 66% of the time.

Table Showing TURBIDITY, in parts per million, Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	50.0	0.0	2.39
1910-11.....	40.0	0.0	.37
1911-12.....	19.0	0.0	.68
1912-13.....	20.0	0.0	.89
1913-14.....	15.0	0.0	.44
1914-15.....	25.0	0.0	.54
Avg. 6 yrs.....	28.1	0.0	.88

The maximum turbidity has not been above 50 parts per million during the past six years.

Table Showing Range in TURBIDITY, in parts per million, Unfiltered Water, Bangor, Me.

Turbidity parts per million	Year 1909-10 Days	Year 1910-11 Days	Year 1911-12 Days	Year 1912-13 Days	Year 1913-14 Days	Year 1914-15 Days	Avg. 6 yrs. Days
0-0	129.	329.	296.	290.	322.	336.	284.
1-5	203.	33.	63.	58.	35.	18.	68.
6-10	17.	1.	6.	11.	5.	6.	8.
11-15	6.	0.	0.	1.	3.	1.	2.
16-20	1.	0.	1.	1.	0.	1.	1.
21-25	2.	1.	0.	0.	0.	2.	1.
26-30	3.	0.	0.	0.	0.	0.	1.
Over 30	2.	1.	0.	0.	0.	0.	1.

During the past year the unfiltered water was free from turbidity on 336 days or 92.1% of the time.

Table Showing ALKALINITY, in parts per million, Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	14.0	4.0	8.8
1910-11.....	17.0	8.0	11.4
1911-12.....	21.0	6.0	12.5
1912-13.....	15.0	7.0	11.3
1913-14.....	15.0	8.0	10.9
1914-15.....	15.0	7.0	11.6
Avg. 6 yrs.....	16.1	6.6	11.1

The average alkalinity of the unfiltered water was 6.4% higher than during the previous year.

Owing to the low alkalinity of the unfiltered water it is necessary to add lime in order to get proper coagulation.

Table Showing Range in ALKALINITY, in parts per million, Unfiltered Water, Bangor, Me.

Alkalinity parts per million	Year 1909-10 Days	Year 1910-11 Days	Year 1911-12 Days	Year 1912-13 Days	Year 1913-14 Days	Year 1914-15 Days	Avg. 6 yrs. Days
0-5	5.	0.	0.	0.	0.	0.	1.
6-10	305.	195.	82.	117.	182.	99.	163.
11-15	54.	162.	250.	247.	183.	265.	194.
16-20	0.	8.	32.	0.	0.	0.	7.
Over 20	0.	0.	1.	0.	0.	0.	0.

During the past year the alkalinity of the unfiltered water was below 16 parts per million during the entire time and below 11 parts per million on 99 days or 27.1% of the time.

Table Showing BACTERIA, per c. c. Unfiltered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	15,750.	86.	1,725.
1910-11.....	6,050.	150.	2,542.
1911-12.....	11,600.	1,400.	3,286.
1912-13.....	7,800.	1,000.	2,624.
1913-14.....	11,000.	1,000.	3,051.
1914-15.....	9,600.	1,500.	2,968.
Avg. 6 yrs.....	10,300.	856.	2,684.

The maximum number of bacteria per c. c. were 12.8% less, while the average was 2.8% less than during the previous year.

Table Showing Range of BACTERIA, per c. c. Unfiltered Water, Bangor, Me.

Bacteria per c. c.	Year 1909-10 Days	Year 1910-11 Days	Year 1911-12 Days	Year 1912-13 Days	Year 1913-14 Days	Year 1914-15 Days	Avg. 6 yrs. Days
0-50	0.	0.	0.	0.	0.	0.	0.
51-75	0.	0.	0.	0.	0.	0.	0.
76-100	2.	0.	0.	0.	0.	0.	1.
101-250	29.	1.	0.	0.	0.	0.	5.
251-500	106.	1.	0.	0.	0.	0.	13.
501-1000	60.	17.	0.	0.	1.	0.	3.
1001-2500	64.	193.	149.	209.	169.	171.	159.
2501-5000	50.	150.	184.	143.	165.	169.	160.
5001-10000	18.	3.	27.	11.	27.	23.	18.
Over 10000	7.	0.	4.	0.	2.	0.	2.

The bacteria per c. c. in the unfiltered water were above 5,000 on 23 days or 6.3% of the time.

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. samples, Unfiltered Water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909-10.....	1042.	644.	61.9%
1910-11.....	1041.	795.	76.4%
1911-12.....	1045.	921.	88.1%
1912-13.....	1002.	862.	86.0%
1913-14.....	1056.	921.	87.2%
1914-15.....	1062.	930.	87.5%
Avg. 6 yrs.....	1041.	846.	81.2%

The B. Coli-Communis content of the unfiltered water has remained about the same for the past few years.

A mineral analysis of the unfiltered water is made every month, the average results are about constant.

A complete sanitary examination of the unfiltered water is made every week, the results averaged by months will be found in the following table:



Mineral Analysis of Raw Water

Date	Total Solids	Loss on Ignition	Mineral Residue	Silicon	Aluminum	Calcium	Magnesium	Sulphates	Iron
1914									
March	60	33	27	2.41	1.01	5.73	.79	5.56	.15
April	53	32	21	2.04	.90	5.38	1.15	4.82	.10
May	48	23	25	2.08	1.49	3.38	1.54	4.66	.15
June	47	28	19	1.28	1.12	4.81	1.23	3.84	.15
July	51	28	23	1.65	.94	5.01	2.73	4.95	.10
August	66	46	20	1.51	.73	6.10	3.90	4.95	.10
Sept.	65	42	23	1.18	.69	6.00	2.73	5.86	.15
Oct.	65	40	25	1.41	.42	6.43	.73	6.85	.15
Nov.	87	63	24	2.03	.63	7.50	1.23	9.15	.15
Dec.	80	53	27	1.56	.59	7.15	1.64	6.11	.20
1915									
Jan.	77	50	27	1.41	.69	7.58	2.03	8.74	.15
Feb	68	44	24	1.51	1.32	6.15	1.34	5.04	.15
Avg.	63.91	40.16	23.75	1.67	.87	5.93	1.75	5.87	.14
1909-10	52.91	30.25	22.66	2.11	.71	4.61	1.72	3.41	.53
1910-11	65.66	41.25	24.33	2.17	1.32	5.49	2.80	6.61	.21
1911-12	68.33	45.08	23.25	1.89	.96	6.37	2.56	8.44	.17
1912-13	62.50	42.33	20.17	1.77	1.07	5.45	2.65	9.26	.16
1913-14	62.60	40.00	22.60	1.59	1.20	5.83	2.41	6.50	.13
1914-15	63.91	40.16	23.75	1.67	.87	5.93	1.75	5.87	.14

During the past year there has been a slight decrease in the chlorine and ammonia content, with an increase in required oxygen.

The unfiltered water is pumped to the coagulation basin, which has two compartments, the combined capacity being 1,500,000 gallons. Before the water enters the basins, the coagulants, sulphate of alumina and lime water are added. Owing to the low alkalinity of the unfiltered water it is necessary to add lime water.

The Sulphate of Alumina is purchased on specifications, the requirements follow:

Alumina (Al_2O_3) not less than	17.50%
Acid (SO_3) not more than	37.50%
Iron (Fe_2O_3) not more than	.40%
Water (H_2O) not more than	47.00%
Insoluble, not more than	.25%

It is understood that if the Alumina (Al_2O_3) is over 17.5% the Sulphate (SO_3) and Iron (Fe_2O_3) may be increased in proportion.

If the results of the analysis show the Alumina (Al_2O_3) to be below 17.5% and above 17.0% a deduction of eight cents per hundred pounds shall be made. If the Alumina (Al_2O_3) is below 17.0% and above 16.5% a deduction of fifteen cents per hundred pounds shall be made.

For each .25% or fraction thereof of Iron (Fe_2O_3) above .40% a reduction of five cents per hundred pounds shall be made.

The Sulphate of Alumina shall not contain any free acid.

Table Showing the Percentage Composition of the Various Shipments of SULPHATE OF ALUMINA used During the Year, Bangor, Me.

Date	Alumina (Al_2O_3)	Iron (Fe_2O_3)	Acid (SO_3)	Water (H_2O)	Insoluble
1914					
March	17.92%	.39%	40.25%	41.24%	.10%
March	17.65%	.32%	40.66%	41.28%	.09%
May	18.47%	.42%	39.67%	41.37%	.07%
June	18.08%	.46%	40.73%	40.63%	.10%
Aug.	17.61%	.39%	39.65%	42.25%	.10%
Sept.	17.52%	.39%	39.42%	42.59%	.08%
Oct.	17.73%	.32%	39.94%	41.94%	.07%
Nov.	17.77%	.24%	39.63%	42.28%	.08%
Jan. 1915.	17.71%	.24%	39.87%	42.21%	.06%
Feb.	17.56%	.24%	40.38%	41.73%	.09%
Avg.	17.80%	.34%	40.03%	41.74%	.08%

The above sulphate of alumina was furnished by the Pennsylvania Salt Mfg. Co., Philadelphia, Penna.

Table Showing the Average Composition of the Sulphate of Alumina Used, Bangor, Me.

Year	Alumina	Iron	Acid	Water	Insoluble
1909-10.	16.96%	1.98%	39.50%	41.18%	.10%
1910-11.	18.18%	.82%	39.30%	41.06%	.09%
1911-12.	17.75%	.32%	40.19%	41.36%	.16%
1912-13.	18.49%	.37%	40.83%	40.97%	.10%
1913-14.	17.82%	.37%	40.40%	41.32%	.09%
1914-15.	17.80%	.34%	40.03%	41.74%	.08%

Since the sulphate of alumina has been purchased on specifications the composition has been more uniform and the salt has contained a high amount of alumina and a small amount of iron.

Table Showing Average Amount of Sulphate of Alumina and Lime Used, in grains per gallon, Bangor, Me.

Year	Alumina	Lime
1909-10	1.57	.31
1910-11	1.43	.23
1911-12	2.03	.17
1912-13	2.05	.14
1913-14	1.95	.18
1914-15	1.92	.18
Avg. 6 yrs	1.83	.20

The average amount of sulphate of alumina used during the past year decreased .03 grains per gallon or about 4 pounds per million gallons.

The average amount of lime used remained the same as in the previous year.

The coagulation basins remove a large percentage of the bacteria and are of great value to the plant.

Table Showing Bacteria, Removed by Coagulation Basins, Bangor, Me.

Year	Removed
1909-10	66.21%
1910-11	79.04%
1911-12	82.66%
1912-13	88.64%
1913-14	88.14%
1914-15	87.81%
Avg. 6 yrs	82.41%

In 1911 mixing baffels were installed in the coagulation basins which greatly improved the efficiency.

Table Showing BACTERIA, per c. c. in the Water After Passing the Coagulation Basins, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	5,700.	4.	583.
1910-11.....	3,100.	75.	515.
1911-12.....	5,000.	185.	570.
1912-13.....	1,300.	100.	365.
1913-14.....	1,400.	100.	362.
1914-15.....	820.	110.	362.
Avg. 6 yrs.....	2,887.	96.	460.

The maximum number of bacteria passing the basins was 41.5% less than in the previous year while the average remained the same.

Table Showing Range of BACTERIA, per c. c. Cogulated Water, Bangor, Me.

Bacteria per c. c.	Year 1909-10	Year 1910-11	Year 1911-12	Year 1912-13	Year 1913-14	Year 1914-15	Avg. 6 yrs.
	Days	Days	Days	Days	Days	Days	Days
0-50	59.	0.	0.	0.	0.	0.	10.
51-75	22.	1.	0.	0.	0.	0.	4.
76-100	17.	24.	0.	2.	1.	0.	7.
101-250	62.	78.	20.	129.	110.	77.	79.
251-500	69.	114.	186.	168.	201.	229.	161.
501-1000	51.	118.	111.	54.	44.	57.	73.
1001-2500	47.	25.	17.	9.	9.	0.	18.
Over 2500	13.	2.	2.	0.	0.	0.	3.

The water passing the coagulation basins contained less than 501 bacteria per c. c. on 306 days or 83.9% of the time and less than 1001 per c. c. during the entire year of 100% of the time.

During four months of the past year, calcium hypo-chlorite was added to the water before it entered the coagulation basins, the amount applied being .10 grain per gallon or about 14 pounds per million gallons.



Mineral Analyses of Filtered Water

Date	Total Solids	Loss on Ignition	Mineral Residue	Silicon	Aluminum	Calcium	Magnesium	Sulphates	Iron
1914									
March	65	27	38	1.66	.89	8.38	1.09	24.41	.10
April	64	26	38	1.28	.93	6.44	1.12	22.60	.05
May	60	26	34	1.42	1.42	6.66	1.34	17.91	.10
June	46	20	26	.81	.74	5.73	1.01	18.07	.10
July	54	26	28	.99	.66	6.65	1.23	19.11	.05
August	67	37	30	1.23	.87	7.43	3.20	19.89	.05
Sept.	59	29	30	1.04	.83	6.86	1.95	24.71	.10
Oct.	69	36	33	1.27	.57	6.79	.53	22.89	.10
Nov.	78	41	37	1.23	.62	7.93	1.09	24.38	.10
Dec.	79	43	36	1.46	.58	8.08	1.69	23.31	.15
1915									
Jan.	74	39	35	1.09	.62	7.86	1.84	23.23	.10
Feb.	73	39	34	1.46	1.36	6.43	1.23	21.25	.10
Avg.	65.66	32.41	33.25	1.24	.84	7.10	1.44	21.81	.09
1909-10	57.91	24.66	32.83	1.82	2.66	6.21	1.98	18.93	.25
1910-11	69.25	40.83	28.41	1.82	2.27	6.15	2.27	19.46	.16
1911-12	69.16	35.83	33.33	1.69	.96	7.64	3.50	26.93	.10
1912-13	63.25	31.25	32.00	1.38	1.30	6.48	2.40	25.97	.10
1913-14	61.50	29.20	32.30	1.25	1.27	7.75	2.05	22.93	.08
1914-15	65.66	32.41	33.25	1.24	.84	7.10	1.44	21.81	.09

The New Filter Plant still continues to produce satisfactory water and has given no trouble in operation.

A mineral analysis of the filtered water is made every month the results of which will be found in the following table.

These results show the iron in the filtered water to be .09 parts per million, which is 35.6% less than in the unfiltered water.

This amount of iron is sufficient to support a growth of crenothrix in the mains, which caused considerable trouble. The carbonic acid is also favorable to the growth of this organism.

A slight change will be made in the method of operating the plant during the coming year and an attempt will be made to reduce the amount of iron in the filtered water.

A sanitary examination of the filtered water is made every week, the average monthly results will be found in the following table.

Compared with the previous year there is a slight increase in the free and albuminoid ammonias, a decrease in required oxygen and the chlorine remaining the same.

A study, in detail, will show the improvement in the quality of the filtered water since the new filters have been in operation.

Table Showing ALKALINITY, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	7.0	1.0	3.1
1910-11.....	12.0	3.0	4.6
1911-12.....	9.0	3.0	4.1
1912-13.....	5.0	3.0	3.5
1913-14.....	6.0	3.0	3.7
1914-15.....	6.0	3.0	4.5
Avg. 6 yrs.....	7.5	2.7	3.9

The average alkalinity was 17.7% greater than during the past year and it has been the desire to maintain the alkalinity of the filtered water above 4 parts per million at all times.

It was necessary to add lime to the water during the entire year in order to maintain an alkalinity in the filtered water.

Great care must be used in the application of the lime as a very small amount will "set" the color in the water.

Table Showing Range in ALKALINITY, in parts per million, Filtered Water, Bangor, Me.

Alkalinity	Year	Year	Year	Year	Year	Year	Avg.
parts per	1909-10	1910-11	1911-12	1912-13	1913-14	1914-15	6yrs.
million	Days	Days	Days	Days	Days	Days	Days
0-5	358.	291.	331.	365.	362.	359.	344.
6-10	6.	73.	34.	0.	3.	6.	20.
Over 10	0.	1.	0.	0.	0.	0.	1.

The alkalinity of the filtered water was below 6 parts per million on 359 days or 98.4% of the time.

The alkalinity of the filtered water is not allowed to fall below 3 parts per million.

Table Showing TURBIDITY, in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	6.00	0.00	1.01
1910-11.....	1.00	0.00	.29
1912-12.....	1.00	0.00	.03
1912-13.....	0.00	0.00	.00
1913-14.....	0.00	0.00	.00
1914-15.....	0.00	0.00	.00
Avg. 6 yrs.....	1.33	0.00	.22

The turbidity in the filtered water was due to aluminum hydrate passing through the old filters which contained coarse sand. During the past three years since the new filters have been in operation it has been impossible to detect any aluminum

hydrate in the filtered water when using the logwood and also the boiling tests.

Table Showing Range in TURBIDITY, in parts per million, Filtered Water, Bangor, Me.

Turbidity parts per million	Year 1909-10 Days	Year 1910-11 Days	Year 1911-12 Days	Year 1912-13 Days	Year 1913-14 Days	Year 1914-15 Days	Avg. 6 yrs. Days
0-0	163.	259.	351.	365.	365.	365.	311.
1-5	200.	106.	15.	0.	0.	0.	53.
6-10	2.	0.	0.	0.	0.	0.	1.
Over 10	0.	0.	0.	0.	0.	0.	0.

During the past three years the filtered water has been free from turbidity.

Table Showing COLOR in parts per million, Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	70.0	4.0	32.0
1910-11.....	53.0	5.0	20.0
1911-12.....	31.0	1.0	7.3
1912-13.....	15.0	4.0	7.2
1913-14.....	17.0	4.0	6.4
1914-15.....	12.0	3.0	7.4
Avg. 6 yrs.....	33.0	3.8	13.4

The average color of the filtered water was 15.6% greater than during the previous year. This was caused by carrying the alkalinity higher and the color becoming "set."

Table Showing Range in COLOR, in parts per million, Filtered Water, Bangor, Me.

Color in parts per million	Year 1909-10 Days	Year 1910-11 Days	Year 1911-12 Days	Year 1912-13 Days	Year 1913-14 Days	Year 1914-15 Days	Avg. 6 yrs. Days
0-20	46.	259.	364.	365.	365.	365.	296.
21-30	175.	34.	1.	0.	0.	0.	35.
31-40	66.	43.	1.	0.	0.	0.	18.
41-50	41.	21.	0.	0.	0.	0.	10.
Over 50	35.	1.	0.	0.	0.	0.	6.

During the past year the color of the filtered water was below 20 parts per million during the entire time.

Table Showing BACTERIA, per c. c. Filtered Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	3,060.	2.	248.
1910-11.....	1,500.	10.	240.
1911-12.....	390.	18.	67.
1912-13.....	120.	10.	32.
1913-14.....	125.	5.	40.
1914-15.....	101.	7.	41.
Avg. 6 yrs.....	883.	9.	111.

The maximum number of bacteria in the filtered water was 19.2% less than during the previous year, while the average remained about the same.

Table Showing Range in BACTERIA, per c. c. Filtered Water, Bangor, Me.

Bacteria per c. c.	Year 1909-10 Days	Year 1910-11 Days	Year 1911-12 Days	Year 1912-13 Days	Year 1913-14 Days	Year 1914-15 Days	Avg. 6 yrs. Days
0-25	101.	26.	28.	164.	104.	75.	83.
26-50	30.	33.	171.	157.	159.	197.	123.
51-75	21.	11.	89.	26.	75.	64.	48.
76-100	20.	5.	28.	15.	21.	27.	19.
101-250	70.	144.	41.	1.	5.	1.	44.
251-500	55.	105.	10.	0.	0.	0.	28.
Over 500	49.	31.	0.	0.	0.	0.	13.

The bacteria in the filtered water were less than 51 per c. c. 272 days or 74.6% of the time and below 26 per c. c. on 75 days or 20.6% of the time.

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. samples, Filtered Water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909-10.....	1042.	76.	7.29%
1910-11.....	1050.	85.	8.09%
1911-12.....	1051.	22.	2.09%
1912-13.....	1057.	9.	.89%
1913-14.....	1056.	12.	1.13%
1914-15.....	1062.	20.	1.88%
Avg. 6 yrs.....	1044.	37.	3.54%

B. Coli-communis was present in 1.88% of the 1 c. c. samples of filtered water.

The basins and filters removed 97.86% of the B. Coli-communis.

A sample of water obtained from a city tap is examined every day.

Once a week a complete sanitary examination is made of the tap water and a mineral analysis is made every month.

The results of the mineral analysis and the monthly average of the sanitary examinations will be found in the following tables.

The detail results of the examinations of the city tap water are of great interest.

Table Showing TURBIDITY, in parts per million, Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	5.0	0.0	0.15
1910-11.....	1.0	0.0	0.00
1911-12.....	0.0	0.0	0.00
1912-13.....	0.0	0.0	0.00
1913-14.....	0.0	0.0	0.00
1914-15.....	0.0	0.0	0.00
Avg. 6 yrs.....	1.0	0.0	0.03

During the past four years there has been no turbidity in the city tap water.

Table Showing Range in TURBIDITY, in parts per million, Tap Water, Bangor, Me.

Turbidity	Year	Year	Year	Year	Year	Year	Avg.
parts per	1909-10	1910-11	1911-12	1912-13	1913-14	1914-15	6 yrs.
million	Days	Days	Days	Days	Days	Days	Days
0-0	243.	364.	366.	365.	365.	365.	345.
1-5	111.	1.	0.	0.	0.	0.	19.
Over 5	0.	0.	0.	0.	0.	0.	0.

Since the new filter plant has been in operation the tap water has been free from turbidity.

Mineral Analysis of Tap Water

Date	Total Solids	Loss on Ignition	Mineral Residue	Silicon	Aluminum	Calcium	Magnesium	Sulphates	Iron
1914									
March	73	33	40	1.75	1.16	8.09	.93	23.83	.10
April	62	24	38	1.51	.98	7.52	1.20	22.85	.05
May	60	26	34	.91	1.58	5.09	1.48	19.23	.10
June	43	19	24	.81	1.11	5.45	.90	17.41	.10
July	55	30	25	1.04	.66	6.50	2.03	19.27	.05
August	69	39	30	.90	.82	8.21	3.30	25.69	.05
Sept.	62	28	34	.94	.73	7.29	1.64	21.91	.10
Oct.	66	33	33	1.27	.61	6.65	.59	24.54	.10
Nov.	79	42	37	1.13	.73	8.50	1.09	23.88	.10
Dec.	81	45	36	1.37	.68	9.00	1.20	22.57	.15
1915									
Jan.	69	35	34	1.37	.80	7.79	1.62	24.54	.10
Feb.	71	36	35	1.37	1.26	6.58	1.09	22.81	.10
Avg.	65.83	32.50	33.33	1.19	.92	7.22	1.42	22.37	.09
1909-10	60.58	25.08	34.66	1.74	1.81	6.43	1.72	19.14	.18
1910-11	56.00	39.50	27.91	1.77	2.48	6.03	2.13	19.20	.16
1911-12	68.00	35.42	32.58	1.55	1.27	8.14	2.56	26.56	.10
1912-13	64.50	32.58	31.92	1.42	1.35	6.53	2.39	27.32	.10
1913-14	61.25	29.41	31.84	1.27	1.29	7.58	2.21	23.29	.08
1914-15	65.83	32.50	33.33	1.19	.92	7.22	1.42	22.37	.09

Table Showing COLOR, in parts per million, Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	100. *	4.	35.0
1910-11.....	50.	9.	21.0
1911-12.....	22.	3.	7.3
1912-13.....	22.	4.	7.5
1913-14.....	15.	4.	6.6
1914-15.....	14.	3.	7.5
Avg. 6 yrs.....	37.	5.	16.2

*High color due to flushing mains

The average color of the tap water was 13.6% higher than during the previous year, due to maintaining a higher alkalinity

Table Showing Range in COLOR, in parts per million, Tap Water, Bangor, Me.

Color in parts per million	Year 1909-10 Days	Year 1910-1911 Days	Year 1911-12 Days	Year 1912-13 Days	Year 1913-14 Days	Year 1914-15 Days	Avg. 6 yrs. Days
0-20	33.	247.	364.	363.	365.	365.	306.
21-30	145.	52.	2.	1.	0.	0.	33.
31-40	94.	42.	0.	0.	0.	0.	23.
Over 40	31.	0.	0.	0.	0.	0.	5.

During the past year the color of the tap water was below 20 parts per million during the entire time.

Table Showing BACTERIA, per c. c. Tap Water, Bangor, Me.

Year	Maximum	Minimum	Average
1909-10.....	1,970.	1.	175.
1910-11.....	1,400.	10.	238.
1911-12.....	500.	10.	54.
1912-13.....	100.	6.	26.
1913-14.....	110.	4.	35.
1914-15.....	90.	4.	36.
Avg. 6 yrs.....	695.	6.	94.

The maximum number of bacteria in the tap water was 18.1% less than during the previous year while the average remained about the same as in the previous year.

Table Showing Range in BACTERIA, per c. c. Tap Water, Bangor, Me.

Bacteria per c. c.	Year 1909-10	Year 1910-11	Year 1911-12	Year 1912-13	Year 1913-14	Year 1914-15	Avg. 6 yrs.
	Days	Days	Days	Days	Days	Days	Days
0-25	128.	30.	79.	213.	128.	94.	112.
26-50	32.	41.	174.	128.	164.	209.	125.
51-75	21.	4.	62.	13.	54.	54.	25.
76-100	17.	54.	16.	7.	16.	16.	21.
101-250	74.	104.	18.	0.	1.	0.	33.
251-500	39.	98.	11.	0.	0.	0.	25.
Over 500	29.	32.	0.	0.	0.	0.	10.

The bacteria in the tap water were below 101 per c. c. on 365 days or 100% of the time and below 51 per c. c. on 303 days or 83.1% of the time.

Table Showing Decrease in BACTERIA, in passing mains, Bangor, Me.

Year	Decrease
1909-10.....	29.50%
1910-11.....	00.84%
1911-12.....	19.41%
1912-13.....	18.75%
1913-14.....	12.50%
1914-15.....	12.20%
Avg. 6 yrs.....	15.53%

Table Showing Tests for B. COLI-COMMUNIS, 1 c. c. samples, Tap Water, Bangor, Me.

Year	Samples examined	Positive	Percent positive
1909-10.....	1040.	16.	1.53%
1910-11.....	1047.	37.	3.53%
1911-12.....	1048.	5.	.47%
1912-13.....	1005.	1.	.09%
1913-14.....	1056.	3.	.28%
1914-15.....	1062.	3.	.28%
Avg. 6 yrs.....	1043.	11.	1.05%



The same number of tap water samples showed *B. Coli-communis* as in the previous year.

The *B. Coli-communis* decrease in passing from the filters to the city tap.

Table Showing Reduction in *B. COLI-COMMUNIS*, in passing mains, Bangor, Me.

Year	Reduction
1909-10.....	78.7%
1910-11.....	56.3%
1911-12.....	77.5%
1912-13.....	89.9%
1913-14.....	75.2%
1914-15.....	85.3%
Avg. 6 yrs.....	77.2%

The reduction of the *B. Coli-communis* in passing through the mains is greater than that of the general bacteria.

The results, in detail, of the weekly sanitary examinations of the unfiltered, filtered and city tap waters will be found on the sheets annexed.

During the year a 10,000,000 gallon low lift filter supply pump has been installed. This pump may be operated by water, steam or electric power.

The contract for the equipment of two pits and the necessary electric generators has been placed and during the coming year this installation will be completed so that the water department will have its own power and not depend upon the electric department for service.

The water which is delivered to the coagulation basins passes through a meter and it would be well to install meters on the force mains leaving the pumping station. In this way it would be possible to determine accurately the discharge of the pumps and also the consumption.

It will not be many years before it will be necessary to install

an additional stand pipe or a reservoir and it is well to consider this subject during the coming year.

The various plants are in good mechanical as well as sanitary condition.

As the State Publications have not been received it is impossible to bring the health records up to date.

Bangor is the only city for some miles which has good hospital facilities, therefore a large number of typhoid fever cases are brought in from the surrounding country, and add to the typhoid fever death rate.

Table Showing Total Deaths From Typhoid Fever, Death rate per 100,000 population and Deaths from Imported Cases, Bangor Me.

Year	Total	Rate	Imported	City Deaths
1892	21.	109.9	2.	19.
1893	12.	62.8	3.	9.
1894	25.	130.9	1.	24.
1895	13.	68.1	2.	11.
1896	8.	38.6	1.	7.
1897	8.	38.0	0.	8.
1898	7.	32.9	2.	5.
1899	15.	69.5	1.	14.
1900	4.	18.3	3.	1.
1901	24.	108.5	3.	21.
1902	7.	31.2	missing	7.
1903	10.	44.1	7.	3.
1904	39.	169.9	3.	36.
1905	17.	73.2	4.	13.
1906	10.	42.6	5.	5.
1907	7.	29.4	5.	2.
1908	7.	29.0	3.	4.
1909	9.	27.0	6.	3.
1910	8.	23.3	6.	2.
1911	21.	83.7	10.	11.
1912	7.	27.5	5.	2.
	279.	60.7	72.	202.

These figures show that the average typhoid fever death rate per 100,000 population during 21 years was 60.7, the total number of deaths being 279 and of these 72 or 25.8% were due to imported cases.

At Millinocket, 84 miles up the river from Bangor, there was a typhoid fever epidemic in 1904. During this same period there was a typhoid fever epidemic in Bangor causing 39 deaths only 3 of which were due to imported cases. Up to this time the old filters had been operated without any coagulants.

During the year 1909, there were 42 cases of typhoid fever, all of which claimed to have used water from the well at Longfellow School. When this well was closed the typhoid fever ceased.

The original filter plant (Warren type) was installed in 1896 and operated without any coagulant until late in 1905.

For the five years (1892-1896) there were a total of 79 deaths from typhoid fever, 9 or 11.4% of which were due to imported cases. The average total deaths for that period were 15.8, imported 1.8, local 14.0.

The original filters were installed in 1896, and operated 9 years without coagulants.

For the nine years (1897-1905) there were a total of 131 deaths from typhoid fever, 23 or 17.5% of which were imported. The average total deaths for that period was 14.6, imported 2.6, local 12.0.

A coagulant, sulphate of alumina, was first used with these filters in the fall of 1905 and before the settling basins were installed.

For the three years (1906-1908) there were a total of 24 typhoid fever deaths, 13 or 54.2% were due to imported cases. The average total deaths for this period was 8.0, imported 4.3, local 3.7.

The coagulation basin was placed in operation in 1908 and operated two years before the new filters were installed.

For the two years (1909-1910) there were a total of 17 deaths from typhoid fever, 12 or 70.6% were due to imported cases. The average total for this period was 8.5 imported 6.0, local 2.5.

The results are only available for the two years (1911-12) since the new filters were placed in operation during which period there were a total of 28 deaths from typhoid fever, 15 or 53.5% of which were due to imported cases. The average total was 14, imported 7.5, local 6.5.

The improvement to the water supply began in 1905 when the coagulant was first used.

For the 14 years before the coagulant was used there were a total of 210 typhoid fever deaths, 32 or 15.4% of which were due to imported cases, leaving 178 of local origin. The average for this period is, total 14.9, imported 2.3, local 12.6.

For the seven years that the coagulant has been used there were a total of 69 deaths from typhoid fever, 40 or 58% of which were due to imported cases, leaving 29 of local origin. The average for this period is, total 9.8, imported 5.7, local 4.1.

Since the coagulant has been used there has been a reduction of 67.5% in the local deaths from typhoid fever, this does not take into consideration the increase in population during this time.

It is not the intention to convey the idea that the water was the cause of all of the typhoid fever, there are many other means of contracting this disease. A pure water can only prevent that typhoid fever which was previously due to impure water.

Permit me to express my appreciation of the interest taken by all the members of the Water Board in the various matters considered during the past year.

The numerous courtesies extended by all of the employees of the Department has also been greatly appreciated.

Respectfully submitted,

JAMES M. CAIRD.

Location of Fire Hydrants and Nominal Pressure

("M" Matthews, made by R. D. Wood & Co.)

("H" Holly, made by Holly Mfg. Company.)

	Pressure in pounds	Make
Adams, corner York street.....	80	H
Allen street, 600 ft. north of Hammond.....	48	H
Allen and Fourteenth streets.....	50	M
At the Works, State street.....	120	H
Barker street, corner First street.....	80	M
Bellevue avenue and Garland street.....	75	M
Birch, corner State street.....	80	H
Birch, between State and Garland streets.....	75	H
Birch, between Garland and Mt. Hope Avenue.....	73	H
Birch, corner Mt. Hope Avenue.....	60	H
Blackstone, corner Fountain street.....	68	M
Blackstone street, 200 ft. west of Center street.....	65	M
Boyd, corner York street.....	83	H
Broadway, corner French street.....	55	M
Broadway, corner State street.....	80	H
Broadway, corner Penobscot street.....	78	H
Broadway and Somerset streets.....	70	H
Broadway, corner Cumberland street.....	68	H
Broadway, corner Garland street.....	70	H
Broadway, opposite Congress street.....	75	H
Broadway, near the "Hathorn Garage".....	60	H
Broadway and Alden streets.....	65	M
Broadway and Arctic streets.....	68	M
Broad, corner Union street.....	110	H
Buck and Main.....	90	M
Buck street, near M. C. R. R. tracks.....	90	H

	Pressure in pounds	Make
Catell and Hubbard streets.....	88	M
Cedar, corner First street.....	88	H
Cedar, corner Second street.....	78	H
Cedar, corner Third street.....	73	H
Cedar, corner Fourth street.....	65	H
Cedar, corner West Broadway.....	40	H
Center, corner Somerset street.....	80	H
Center, corner Cumberland street.....	80	H
Center, corner Garland street.....	80	H
Center, opposite Jefferson street.....	78	H
Center, opposite Madison.....	70	H
Center, opposite Congress street.....	65	H
Center, opposite Montgomery street.....	55	H
Center, 600 ft. north of Montgomery.....	50	M
Center, corner Linden street.....	50	M
Center, corner Poplar street.....	50	M
Central street, west of bridge.....	110	H
Central street, east of bridge.....	110	H
Central and Harlow streets.....	108	M
City stables and County Buildings.....	105	M
City Almshouse, Main street, (in the yard).....	90	H
Columbia, opposite Cross street.....	100	H
Cottage, corner Union street.....	45	H
Cottage, between Ohio and Union streets.....	38	H
Court, corner Hammond street.....	90	H
Court, near Clark street.....	88	H
Court, corner Boynton street.....	78	H
Court, near T. U. Coe's residence.....	75	H
Dean, corner Fourteenth street.....	43	M
Dillingham street, 600 ft. north of Main street.....	70	H
Dutton street, opposite Noyes & Nutter's foundry.....	90	H
Dutton street, near M. C. R. R. tracks.....	93	M
East Market Square, corner State street.....	105	H
East Summer, corner Hancock street.....	93	H
Ea. Market Square.....	108	H
East street, corner Webster avenue.....	53	M
E. M. General Hospital (in yard).....	95	M
Eastern Maine Insane Hospital.....	73	M

	Pressure in pounds	Make
Elm street, north of Mt. Hope avenue.....	70	M
Elm street, (east side) between Somerset and Garland..	65	M
Elm, corner Garland street.....	68	H
Elm street, corner Stillwater venue.....	70	M
Elm street, near Mt. Hope avenue.....	68	H
Elm, corner Milford street.....	68	H
Emerson, 475 ft. from Main street.....	95	M
Essex, opposite Penobscot street.....	65	H
Essex, corner Somerset street.....	60	H
Essex, corner Cumberland street.....	63	H
Essex, corner Garland street.....	63	H
Essex street, 400 ft. north of Garland street.....	70	H
Essex street, 800 ft. north of Garland street.....	75	H
Essex street, corner Stillwater avenue.....	75	H
Essex, street, opposite Milford street.....	68	H
Essex street extension.....	63	M
Everett, corner Bower street.....	70	H
Exchange, between Hancock and Washington streets...	115	H
Essex, corner York street.....	85	H
Fern street, between State and Garland streets.....	75	H
Fern street, corner Garland street.....	72	H
Fern street, between Garland and Mt. Hope Avenue...	80	M
Fifteenth street, 500 ft. west of Ohio street.....	58	H
Fifth street, between Cedar and Warren streets.....	60	H
Fifth street, corner Warren street.....	70	H
First, corner Davis street.....	85	H
Forest avenue, corner State street.....	70	H
Forest avenue, corner Somerset street.....	65	H
Forest avenue, corner Coombs street.....	63	H
Forest avenue, north of Garland street.....	60	H
Forest avenue, corner Mt. Hope avenue.....	63	H
Forest avenue, corner of Stillwater avenue.....	60	H
Fourth, between Cedar and Warren streets.....	70	H
Franklin, corner Hammond street.....	108	H
Franklin street, East side.....	110	H
Fremont street, near house No. 44 (north side).....	70	M
French and Congress streets.....	65	M

	Pressure in pounds	Make
French, 500 ft. north of Congress street	60	M
French street, corner West Park street	75	M
French, corner State street	90	H
French, corner Penobscot street	73	H
French, corner Somerset street	70	H
French, corner Cumberland street	73	H
French, corner Garland street	70	H
French and Washington street	110	M
Front, opposite May street	110	H
Fruit, between State and Garland streets	85	H
Fruit street, 500 ft. north of Garland street	75	H
Fourteenth, corner Hammond street	43	M
Fifth, corner Cedar street	55	M
Front street, at Eastern S. S. Co's wharf	110	M
French, corner South Park street	80	M
Garland and Howard streets	75	M
Garland street, opposite Maple street	70	H
Grant street, (east side)	50	M
Grant street, corner Montgomery street	50	M
Grove street, corner Garland street	60	M
Gridley street, off Newbury street	80	H
Grove street, between State and Somerset streets	55	H
Grove street, between State and Garland streets	65	H
Grove street, between Garland and Stillwater avenue	70	H
Grove street, corner Stillwater avenue	73	M
Hammond, opposite Fifth street	55	M
Hammond, corner Cedar street	50	H
Hammond, opposite Seventh street	50	M
Hammond, corner Webster avenue	45	H
Hammond, opposite Thirteenth street	48	M
Hammond, near West street	48	M
Hammond, near Kimball residence	40	M
Hancock, corner Newbury street	105	H
Hancock, corner Boyd street	110	H
Hancock, corner Carr street	105	H
Hancock, corner Essex street	100	H
Hancock, corner Oak street	98	H

	Pressure in pounds	Make
Hancock, corner Exchange street	115	H
Hancock and Birch street	90	M
Harlow, near Haynes court	100	M
Harlow, corner Kenduskeag avenue	105	H
Harlow, corner Cumberland street	105	H
Haymarket square	105	H
Haynes court	110	H
Hellier, corner Parker street	95	H
Highland avenue, opposite Charles street	43	H
Highland Lane	45	M
High street, near Burpee residence	78	H
Highland street, near Standpipe	20	H
Highland street and Highland Avenue	23	M
Hogan Road and E. M. I. Hospital Road	75	M
Hogan Road, 800 ft. from State	85	M
Holland street, 500 feet west of Valley avenue	75	H
Holland street, corner Valley avenue	100	H
Howard, corner State street	85	H
Harlow, corner Center street	108	H
James street, corner Highland avenue	30	H
Jefferson, corner Norfolk street	73	H
Kenduskeag avenue, opposite Division street	83	H
Kenduskeag avenue, opposite Jefferson street	78	H
Kenduskeag avenue, corner Madison street	74	H
Kenduskeag avenue, corner Congress street	63	H
Kenduskeag avenue, corner Montgomery street	55	H
Kenduskeag avenue, near John Scott's residence	50	M
Kenduskeag bridge, State street	110	H
Kenduskeag bridge, Hammond street	115	H
Larkin and Third	70	M
Larkin street, near Rio street	75	H
Leighton, corner Montgomery street	45	H
Leighton, near Otto Nelson's residence	45	H
Leighton, corner Poplar street	48	M
Lincoln street, 500 ft. from Main street	78	H
Lincoln street, corner Third street	73	H
Linden, corner Leighton street	45	M

	Pressure in pounds	Make
Madison, corner Norfolk street	63	H
Main street, at B. R. & E. Co's car barn	95	M
Main street, near Gas house	100	M
Main street, Gas House yard	100	M
Main street, near B. R. & E. Waiting Room	110	H
Main street, opposite Cross street	105	H
Main street, corner Middle street	104	H
Main street, corner Union street	97	H
Main street, near Davenport park	100	H
Main street, near Parkhurst's trunk factory	103	H
Main street, near Railroad street	103	H
Main street, corner Patten street	98	H
Main street, corner Sidney street	94	H
Main street, corner Lincoln street	93	H
Main street, corner Dutton street	95	H
Main street, near City Almshouse	93	H
Main street, corner Dillingham street	86	M
Main street, corner Thatcher street	90	M
Main street, near Railroad bridge	90	M
Main street, at Hampden line	100	M
Manners avenue, corner Union street	53	M
Maple, corner State street	80	H
Maplewood Park, Dutton street entrance	75	M
Maple street, 500 ft. north of Garland	68	M
Maple street, corner Mt. Hope avenue	65	M
Maple street, between State and Garland streets	75	H
March, corner Main street	90	M
Market, corner Cumberland street	85	H
Market and Curve streets	85	M
Market, corner Division street	83	M
Market street, 100 ft. north of Willow street	85	H
May and South streets	103	M
Merrimac street, 200 ft. from Hancock street	95	H
Montgomery, oppo. Fountain	45	M
Morse & Co's Planing mill	110	H
Mt. Hope, avenue, north of Fruit street	65	M
Nelson, corner Drummond street	80	M

	Pressure in pounds	Make
Newbury, corner York street.....	73	H
Norfolk, corner Congress street.....	60	M
Norway Road and Fairmount Park, West.....	45	M
Norway Road and Fairmount Park, East.....	40	M
Norway Road and Webster Ave.....	40	M
North, corner West street.....	45	M
Ohio and Autumn.....	45	M
Oak, near Washington street.....	105	H
Ohio, corner Hammond street.....	75	H
Ohio, between Hammond and Hudson streets.....	68	H
Ohio, corner Hudson street.....	68	H
Ohio, opposite Everett street.....	58	H
Ohio, corner Bower street.....	63	H
Ohio, opposite Highland street.....	53	H
Ohio, corner Fremont street.....	48	H
Ohio, corner Holland street.....	50	H
Ohio, opposite Fourteenth street.....	58	H
Ohio, opposite Sixteenth street.....	65	H
Olive Ct. and Olive St.....	85	M
Otis and Garland streets.....	80	M
Otis, corner State street.....	105	H
Palm and State.....	78	M
Palm, corner Garland street.....	68	M
Palm street, 600 ft. north of Garland.....	62	M
Park St., 150 feet from State.....	105	M
Parker, corner Fourth street.....	83	H
Parker street, 500 ft. from Third street.....	75	H
Parkview avenue, 500 ft. north of Garland street.....	68	H
Parkview avenue, corner Mt. Hope avenue.....	68	M
Parkview avenue, North of Mt. Hope avenue.....	60	M
Park street, near Tarrantine Club building.....	95	H
Patten street, near No. 79.....	80	H
Pearl street, south of State street.....	85	H
Pearl street, between State and Garland streets.....	80	H
Pearl street, corner Mt. Hope avenue.....	63	H
Pearl street, corner State street.....	80	H
Pickering Sq. and Water street (west side).....	110	M

	Pressure in pounds	Make
Pier, corner Seventh street.....	58	H
Pine, opposite South Park street.....	73	H
Pond, corner Hayward street.....	48	H
Prospect street, between Center and Harlow streets....	95	H
Parkview avenue, 600 ft. south of Garland street.....	75	H
Pearl street, 600 ft. north of Garland street.....	75	H
Pumping Station Headhouse.....	120	H
Railroad, corner Front street.....	108	H
Railroad, corner Pleasant street.....	108	H
Railroad, corner Summer street.....	105	H
Royal Road and Graham avenue.....	43	M
Sanford, corner Cedar street.....	85	M
Sanford, between Cedar and Warren streets.....	85	M
Sanford and Warren streets.....	80	M
Salem Court.....	80	M
Second, 300 ft. from Union.....	80	M
Second street, 300 ft. north of Warren street.....	95	H
Seventh and Lincoln streets.....	65	M
Seventh, between Savage and Larkin.....	60	M
Sidney street, (east side).....	83	M
Sixteenth, corner Union street.....	55	H
Sixteenth, between Ohio and Union.....	60	M
Sixth street, between Hammond and Pier streets.....	58	H
Somerset, between Grove and Elm streets.....	65	H
South, corner Pleasant street.....	95	H
Spring street, between Harlow and Center streets.....	95	H
State St. and Hogan Road.....	112	M
State street, at Eastern Maine General Hospital.....	95	H
State street, Dr. Peters' residence.....	110	M
State St., J. Frank Green's ice houses.....	112	M
State street, between Forest avenue and Grove.....	70	H
State street, between Essex and Pine streets.....	70	H
Summer, corner Cedar street.....	95	H
Summer, corner Union street.....	100	H
Summer, opposite South.....	95	M
Thatcher, 175 feet west of Olive.....	90	M
Thatcher, 923 feet from Main.....	80	M

	Pressure in pounds	Make
Third, corner Walter street	70	H
Union and Short	100	M
Union, corner High street	78	H
Union, corner Clinton street	80	H
Union, corner Hammond street	70	H
Union, corner Hudson street	60	H
Union, corner George street	45	H
Union, corner Highland street	28	M
Union street, 500 ft. north of Sixteenth street	53	M
Union street, near C. H. Phillips' residence	45	M
Valley avenue, at Morse & Co's hardware store	110	M
Valley avenue, at Morse & Co's mill	118	H
Valley avenue, at S. A. Maxfield Co's plant	105	M
Vine, 400 feet west of Third	65	M
Walter street, 500 ft. from Main street	90	H
Walter street, (north side)	95	M
Warren, corner Third street	73	H
Washington, corner Exchange	112	H
Washington street, east of Pine street	110	H
Washington street, at Railroad bridge	105	H
Water street, corner Pickering square	108	H
Webster avenue, opposite Lincoln street	50	H
Webster Ave. North, 554 feet from Hammond	45	M
West Market Square, at Circular block	112	H
West Market Square, at Mercantile block	112	H
West Broadway, corner Union street	30	H
West Broadway, corner Bowdoin street	50	M
West Broadway, corner Lincoln street	50	H
Wing, corner Seventh street	60	H
Wing, corner Vernon street	50	M
Wiley street, (north side)	45	M
York, corner Broadway	90	H
York, corner French street	110	H
York, corner Exchange street	100	H

Total number connected with system, 316.

WATER RATES

DWELLING HOUSES

For faucet to be used by a single family, \$5.00.

For each additional faucet to be used by the same family, \$2.00.

Where a house is occupied by more than one family, and one faucet being used by all; for each family \$5.00.

For first water closet, \$3.00.

For each additional water closet, \$1.00.

Where one water closet is used by two or more families in one house, each family, \$3.00.

For first bath tub, \$3.00.

For each additional bath tub, \$1.00.

Where one bath tub is used by two or more families in one house, each family, \$3.00.

For the first two wash bowls, each \$1.00.

For each additional wash bowl, 50 cents.

For set wash tubs, each \$1.00.

For faucet in cellar for furnace use, each \$1.00.

HOTELS AND BOARDING HOUSES

For sink faucet, \$8.00 to \$40.00.

For each wash bowl, \$5.00.

For each water closet, \$5.00.

For each urinal, \$5.00.

For each bath tub, \$5.00

For each wash bowl in private rooms, \$3.00.

For each water closet in private room, \$2.00.

For each bath tub in private rooms, \$3.00.

BUILDINGS**For Buildings Used for Offices**

For each office in which there is a faucet, \$3.00.

For each water closet in same office, \$2.00.

Where the faucet is so located as to be used by occupants of another office, an additional \$2.00.

Where the water closet is so located as to be used by occupants of another office, an additional \$2.00.

Barber Shops

First chair, \$5.00.

For each additional chair, \$1.00.

Photograph Galleries

First sink faucet, \$8.00 to \$10.00.

For each additional faucet, \$2.00.

For each wash bowl, \$3.00.

For each water closet, \$2.00.

STORES

For each tenement used as store or warehouse, in which there is one faucet, \$5.00.

For each additional faucet, \$2.00.

For first water closet, \$5.00.

For each additional water closet, \$2.00.

For each urinal, \$3.00.

Soda fountain glass washer, for the season, \$5.00.

MEAT AND FISH MARKETS

For each store or stall used for vending meat or fish for first faucet, \$8.00 to \$15.00.

For each additional faucet, \$5.00.

**PUBLIC HALLS, SOCIETY HALLS, BILLIARD
HALLS, ETC.**

- For first sink faucet, \$5.00.
- For each additional sink faucet, \$2.00.
- For first water closet, \$5.00.
- For each additional water closet, \$2.00.
- For each urinal, \$3.00.
- For each wash bowl, \$3.00.

SALOONS AND EATING HOUSES

- For each saloon or eating house wherein the food consumed is cooked, for first faucet, \$8.00 to \$12.00.
- For each additional sink faucet, \$5.00.
- For each bath faucet, \$5.00.
- For each wash bowl, \$3.00.
- For first water closet, \$5.00.
- For each additional water closet, \$2.00.
- For each urinal, \$5.00.
- For each faucet for washing bottles, \$10.00.

PRIVATE STABLES

- For private stables, including water for washing carriages for one horse, \$5.00.
- For each additional horse, \$1.50.
- For one cow, \$2.00.
- For each additional cow, \$1.00.
- Truckmen's stables shall be charged for one horse, \$3.00.
- For each additional horse, \$1.00.

LIVERY STABLES

- For livery stables, for one horse, including washing carriages, \$6.00 to \$10.00.
- For each additional horse, \$1.50.

HOSE

Free for extinguishing fires.

For washing windows and sprinkling streets, \$3.00 to \$6.00.

For sprinkling lawns and gardens, \$2.00 to \$10.00.

PRINTING HOUSES

For ordinary purposes, including washing types, for each press,
\$10.00 to \$25.00.

STEAM ENGINES

Stationary steam engines working not over ten hours per day,
per H. P., \$4.00.

BUILDING PURPOSES

Special rate made.

METER RATES

Meter rates for water for other than domestic use are hereby established at five and one-half cents per one hundred cubic feet, but the minimum charge for water under meter rates shall not be less than as follows: For elevators and motors, \$6.00 per quarter; for all other uses, \$2.00 per quarter.

The term "domestic use" is hereby construed to include the use of water in private residences, public and private offices, stores, shops, and other business places where no water is used except for wash bowls and closets.

If a meter gets out of order and fails to register, the consumer will be charged at the average daily consumption as shown by the meter when in order.

All water that passes through a meter will be charged for, whether used or wasted.

This amendment to take effect on approval of City Council.

CITY ORDINANCE

RELATING TO

Bangor Water Works

Section 1. It shall be the duty of the water board of said city to cause all the hydrants connected with the water works to be examined as often as necessary to see if they are in good order, to keep them during the winter free from snow and ice, and to have them at all times in good condition for use.

Sec. 2. No person, unless authorized by said board, shall open any fire hydrant, nor remove any cap thereof, nor fasten any horse or team to or in front thereof or in any way obstruct free access to and use thereof, nor deposit any dirt or other material in any public or private shop, gate, box or stop, or in any manner commit any act tending to obstruct the use of any hydrant, gate or valve. Provided, however, in cases of fire the hydrants shall be for the time being under the entire control of the chief engineer of the fire department, who, after each fire, shall cause each hydrant used to be left in good condition for immediate use. Said engineer, may also, after having given notice to said board of his intention so to do, use said hydrants to fill the reservoirs of said city.

Sec. 3. Any person desiring a supply of water shall make application in writing to said board, stating for what use it is wanted, the location in which it is desired, and as near as may be the extent of its use.

All applications must be made by, or with the assent of the owner or agent of the premises, by whom all rates shall be paid.

Sec. 4. All pipes, valves and fixtures must be capable of sustaining a pressure of at least two hundred pounds to the square inch; and the plumber's work must be examined and tested by the superintendent of said board before the water is finally turned on.

Sec. 5. Said board will furnish and lay a service pipe from the street main to the outer edge of the sidewalk, and furnish and place at said edge of the sidewalk a stop valve and box, and shall thereafter maintain and keep it in good order and the same shall at all times be completely subject to the control of said board. No pipe shall be connected with the city service pipe, nor shall water be turned on at any time until a permit is issued therefor. All connection with main pipes shall be made by a person appointed for that service by said board.

Sec. 6. Said board is authorized to appoint an inspector of said works and define his duties. Said inspector shall at all times, when on duty, wear in a conspicuous place on his clothing, a badge furnished by the water board. He shall at all proper and reasonable time have access to, and be permitted to inspect pipes, fixtures and apparatus supplied with water, and may control the location and use of the stop and waste cock in the cellar of the building, or in whatever location it may be placed, as the interests of the city may require. It shall be the duty of the inspector of water, to inspect as often as possible the fixtures of all water takers, see that they are tight and kept in good condition. He shall notify all users of water of any waste he may discover, or of faulty plumbing, if any, and the parties so notified shall at once cause the defect to be remedied. A second notice for the same cause from the inspector shall cause a fine or one dollar to be imposed upon the

offender. A third offense for the same cause shall subject the offender to a fine of five dollars, or the shutting off of the water from his or her premises, or both, as the majority of the water board present at any meeting duly called shall elect. Any refusal to pay such fine shall be sufficient cause for shutting off the water, which shall not be turned on again until such fine is paid.

It shall be the duty of the inspector to report all irregularities under these rules to the clerk of the water board, who shall make note of the same and report to the superintendent and to the water board at their next meeting.

Sec. 7. Water will in no instance be turned on until the plumbing has been examined and approved by the superintendent of said board or reported safely and well completed in all its parts to sustain a pressure of two hundred pounds to the square inch, by a plumber licensed by the board, and approved by the superintendent; and every plumber who shall set up any pipes, fixtures or apparatus for the use of water, or shall make repairs upon or additions to those already set up, shall report to said board within two days of the completion thereof the nature of the repairs or additions which have been made to the work heretofore existing.

Sec. 8. All persons supplied with water shall keep the cocks, pipes and fixtures in good repair and protected from frost. No continuous flow to guard against freezing or for other causes will be allowed, but by special permit of said board, and by paying extra rates therefor; and no leak shall be suffered to exist in any pipe, fixture or attachment.

Sec. 9. An unnecessary use or waste of water, or allowing it to be used by parties, or for purposes not specified in the application, will subject the offender to an immediate stoppage of the water, and the payment of not less than double the rates for the quantities thus used, or wasted, as estimated by the

superintendent. And when water has been turned off from any premises for any reason above stated, or for any defect in the plumbing, the sum of one dollar will be charged for turning on.

Sec. 10. Said board may cause a meter to be attached to any premises where they have reason to believe that an unnecessary or fraudulent use of water is being made, and may assess rates upon such premises thereby. Meter rates for other than for domestic uses are hereby established at five and one-half cents per hundred cubic feet.

Sec. 11. Water supplies for hydraulic power or in large quantities for special use, will be subject to such restrictions as said board may impose; and no meter shall be put in use without the consent of said board.

Sec. 12. Each builder or superintendent of building using city water, shall, on the first day of each month, return to said board at their office, a full and true account of all water used by him during the month previous, and he shall at that time pay for the water so used.

Sec. 13. All the water rates, except for building purposes, meter rates, lawn and street sprinklers, shall be due and payable at the office of said board, quarterly in advance, on the first day each of January, April, July and October. Meter rates will be due and payable at the same place on the first day of the succeeding quarter, and rates for garden, lawn and street sprinklers will be due and payable in advance at said office on the first day of April and July of each year. The amount of each rate remaining unpaid twenty days after it is due, will be increased ten per cent; and one per cent per month interest on the original amount due will be charged in addition therefor, until paid, together with costs of collection.

Sec. 14. Not more than twenty-five per cent discount will be made from regular rates when supplies of water are

taken by special permit from yard fixtures, or from sources without the premises; and in no case shall such supplies be taken from fire hydrants.

Sec. 15. Said board reserves the right to shut off water for the purposes of making extensions, alterations or necessary repairs. And they will shut off water from premises when the users shall disregard the rules for its supply, neglect to pay the rates therefor promptly, or shall sell or permit any unauthorized use of water. Any person receiving water through a stop in common with another person, will be liable to have his supply shut off in consequence of the violation of the rules by the other person or party.

Sec. 16. The regular rates for fountains and jets will be based upon their use for six hours per day for one hundred days in the year, or equivalent to that time; and shall not exceed in size in locations not over one hundred feet above the pumping house floor, three-sixteenths of an inch in diameter. And for floor localities not over one hundred and fifty feet above said floor, one-fourth of an inch in diameter; and in no case over three-eighths of an inch in diameter.

Sec. 17. The regular rates for street and garden sprinklers and for yard and lawn hydrants, will be based upon their use for one hour per day for ninety days in the year; and are not to be used to the inconvenience or injury of persons passing in the streets, and only at such hours as said board may direct. Yard and garden hydrants must not be converted into jets; and neither the sprinklers or hydrants are to be used for wetting other premises than the ones defined in the application without permission of said board, and payment for said additional use. The size of the stream permitted in all case be fixed by the board and the increasing of the size by the user shall be sufficient cause for turning off of the water. The board may designate the hours during which the sprinklers

or hydrants may be used. Their use while a fire is raging is positively forbidden, except in case of danger of the premises from fire.

Sec. 18. All valves for water closets and urinals must be self-closing, and are to be submitted to and approved by the superintendent of the board. Tanks receiving water direct from the mains are to be fitted with approval self-acting float valves.

Sec. 19. Any person who shall violate any of the provisions of this ordinance, shall forfeit and pay the sum of not less than one nor more than thirty dollars, to be recovered by action of debt in the name of the city treasurer for the use of the city or by complaint for the use of the city before the municipal court, or any other court that may hereafter have jurisdiction of the same.

PLUMBING

Sec. 1. No plumbing shall hereafter be done on any pipes or fixtures for the use of water from the city water works, unless by a plumber licensed by the water board of said city. Said board are authorized to grant and revoke licenses.

Sec. 2. Every plumber who shall set up any pipes or fixtures for the use of water from said city water works, or shall make repairs upon, additions to, or alterations of any pipes or fixtures set up previous thereto, shall, between the first and tenth day of the succeeding month, fill up and return to said board a report, stating particularly what new pipes and fixtures he has set up the previous month, and what repairs, additions and alterations he has made upon or to those previously set up.

Sec. 3. For every misrepresentation or omission in the report of the work done, said plumber shall be liable to have his license revoked by said board, and to pay a fine of not less than five nor more than twenty dollars, to be recovered in an action of debt in the name of the city treasurer, before the municipal court of said city.

Sec. 4. If any plumber or person not duly licensed, shall set up any pipes or fixtures for the use of water from the water works of said city, or make any repairs upon, additions to, or alterations of any pipes or fixtures previously thereto set up, he shall forfeit and pay a sum not less than five nor more than twenty dollars, to be recovered by complaint, or in an action of debt in the name of the city treasurer, before the municipal court of said city.

Report of City Undertaker

BANGOR, MAINE, March 15, 1915.

To the City Council:

The undersigned would respectfully submit the following report for the year ending March 1, 1915:

PROTESTANTS—1914

Died in March.....	35
Died in April.....	43
Died in May.....	37
Died in June.....	28
Died in July.....	32
Died in August.....	31
Died in September.....	36
Died in October.....	31
Died in November.....	38
Died in December.....	41

1915

Died in January.....	34
Died in February.....	22

408

AGES

Under 1 year.....	48
Between 1 and 5.....	5
Between 5 and 10.....	7
Between 10 and 20.....	9
Between 20 and 30.....	32
Between 30 and 40.....	39

Between 40 and 50.....	38
Between 50 and 60.....	39
Between 60 and 70.....	75
Between 70 and 80.....	74
Between 80 and 90.....	26
Over 90 years.....	12
	408

DISEASES

Accident.....	6
Anaemia.....	5
Apoplexy.....	7
Asphyxiation.....	1
Asthma.....	1
Arterio Sclerosis.....	24
Blood Poisoning.....	1
Bright's disease.....	4
Brain.....	3
Bronchitis.....	3
Cancer.....	19
Carcinoma.....	5
Cholera Infantum.....	4
Convulsions.....	1
Croup.....	1
Diabetes.....	2
Diphtheria.....	1
Drowning.....	5
Endocarditis.....	3
Epilepsy.....	5
Erysipelas.....	1
Exhaustion.....	14
Gangrene.....	1
Gastritis.....	1
General Debility.....	3
Heart.....	32
Hemorrhage.....	10
Indigestion.....	5

LaGrippe.....	2
Malnutrition.....	3
Myocarditis.....	1
Meningitis.....	7
Nephritis.....	14
Old Age.....	5
Paralysis.....	11
Pectoris.....	2
Peritonitis.....	4
Pneumonia.....	49
Premature birth.....	10
Sarcoma.....	1
Scarlet fever.....	3
Septicema.....	6
Shock.....	6
Stillborn.....	8
Strangulation.....	1
Suicide.....	1
Tuberculosis.....	28
Tumor.....	1
Typhoid fever.....	7
Uremia.....	2
Other causes.....	68
	408
Brought to Bangor for interment.....	72
Carried out of Bangor for interment.....	197
Interments at Mt. Hope cemetery.....	255
Interments at Pine Grove cemetery.....	11
Interments at Oak Grove cemetery.....	11
Interments at Maple Grove cemetery.....	6
	552

Respectfully submitted,

R. E. HATHORN,

Supt. of Burials.

Report of the Building Inspector

To the Honorable Mayor and City Council:

I herewith submit my report for the past year.

During the year of 1914, there were eighty (80) building permits issued in the City of Bangor. In the fire district, there have been several jobs that have been done and the owners have endeavored to build according to the building laws.

One job especially, the Riker-Jaynes on the corner of Main and Hammond Streets, was criticised by a good many but, upon careful investigation and being thoroughly familiar with the plans, I found out that the way this building was to be repaired it would be 75% safer for the public than ever before.

During the spring months, I investigated the City Stables, City Farm, City Hall and the Fire Stations. The City stables were in very poor condition and a great deal of money was needed to place these in suitable condition for the equipment of the Street Department. A new blacksmith shop, wagon sheds, suitable grain bins and other various things were built new and repaired at an approximate cost of \$2,000.

The City Farm, which had been neglected for years, needed a great many improvements but I found that adding a new veranda and steps at the main entrance and painting the main buildings, barns and stables gave the City Farm a neater and better appearance. I wish to state there should be two sets of fire-escapes placed on the brick buildings but, upon careful consideration, I found that the cost would be approximately \$1,500. This estimate was submitted to the Committee on

City Property and they did not feel as though it should be done during 1914. The corridors in the female part, the smoking-room and two small rooms adjoining were repaired with steel ceilings, as the plastering was in very poor condition and falling off.

The conditions at City Hall have been improved a little, as the old heating system for the City Hall itself has been changed from a hot-air system to the pipe system, the stage floor and walls have been repaired and the main corridor on first floor and the room occupied by the Bangor Chamber of Commerce have received new ceilings, as the plastering was in poor condition.

Along in August, the City Missionary's room on the third floor was damaged by fire. I wanted to make repairs immediately but found that, in order to use the insurance money which was received, an order had to be placed before the City Council and, after many months of hard work, I received this and within a very short time the room was repaired as well as ever. In regard to public toilet, I would recommend that this be taken out of City Hall entirely, as the place is very small and the amount of money to be expended to put this in condition, if this can be done, would be simply thrown away, because we would not have any more than what we had when we started.

I would recommend that the tower, which includes the fire-alarm system and clock should be fire-proofed and that a door be cut on the back of the building in the roof, so that the firemen would be able to have a chance to get at the fire there, in case any should occur at any time in City Hall. A new fire-escape is now being made and will be placed on the East side of the City Hall from the main floor to the ground.

There is one thing which is needed and which has been done during the past year and that is the co-operation of the Fire

Chief and the Building Inspector, in regard to looking over fire hazards. Many places have been investigated and the owners have been only too willing to do whatever was right. I would recommend that some of the building laws be changed, especially regarding the building of chimneys, as 85% of the fires that occur in Bangor are caused by defective chimneys.

I would further state that a Building Inspector should not be allowed to do any repairing of the city property, as there are a good many contractors in Bangor, who are perfectly able to give the City a very reasonable estimate on all work and do a first-class job in every respect.

Respectfully submitted,

LESTER C. WILBUR,

Building Inspector.

Report of the Street Commissioner

BANGOR, MAINE, March 1, 1915.

To the Honorable Mayor, and Members of the City Council of Bangor:

Gentlemen:—

The following is a condensed report of work in the Highway Department for the year ending February 28, 1915.

The work this year has been accomplished by dividing the city into two sections and placing a foreman in charge of each section. The city is naturally divided into two parts by Kenduskeag Stream, and this was chosen as the dividing line of the sections.

Late in April a time clock was installed at the city stables for the use of the men in the Highway Department, and, since May 1st, they have been required to punch time cards in the morning when starting work, when going out and coming in at noon, and when finishing work at night. When working overtime the employe is required to punch his card at the time he goes to work and again at the end of the overtime work. The foreman at the city stables has charge of the time clock and time cards.

Daily reports are required from each foreman, stating in detail location and class of work, together with the number of men and time of each man. The foreman's report of a man's time should agree, of course, with the time shown on that employe's time card.

Each morning the foreman sends his reports for the previous day to the office, where the cost is charged against the job, and the labor cost of the various jobs for each day is checked with the pay roll for that day, the time for the pay roll having been taken from the time cards.

At the beginning of each pay roll there is a classification sheet opened with each appropriation. Each day, from the daily reports, the amounts chargeable to each appropriation are entered upon the proper classification sheets, so that at the end of the month the total of each classification sheet is the amount to be charged against the appropriation, and the total of the classification sheets for the month equals the pay rolls for that month.

A classification sheet shows the various jobs or kinds of work which make up the amount chargeable to that appropriation, the total of the sheet being entered in the "General Ledger," and the total of each individual job entered in the "Detail Ledger."

Bills are treated in the following manner. Duplicate copies of each vendor's invoices for the month are placed in "Voucher Jackets," and on the face of these jackets is shown the amount chargeable to each appropriation. The jackets are arranged alphabetically and numbered. Then they are entered in the "Voucher and Transfer Record," which is provided with a column for each of the controlling accounts on the debit side, and an account with the City of Bangor on the credit side. This account with the City of Bangor represents the total funds available for the use of the department.

The total of the bills chargeable against the Highway Department is credited to the City of Bangor in the Voucher and Transfer Record, and the amount chargeable to each appropriation is debited to that account. As soon as the Voucher and

Transfer Record is balanced the totals are compared with the City Auditor's books before posting to the General Ledger. Then a trial balance is taken of the General Ledger.

Upon the reverse side of the voucher jacket the classification of the expenditure is shown. The total of the various amounts on the reverse side of the voucher jacket must equal the total on the face of the jacket, as shown by the following illustration:

FACE OF VOUCHER JACKET

Appropriation charged:

Street cleaning.....	\$ 75 00.
Repairs and maintenance of bridges.....	50 00
General Highway expenditures.....	100 00
Total.....	\$ 225 00

REVERSE SIDE OF VOUCHER JACKET

STREET CLEANING:

Sweeping section 1, labor.....	\$ 25 00
Sweeping section 2, labor.....	20 00
Flushing section 1, labor.....	15 00
Flushing section 2, labor.....	15 00

REPAIRS AND MAINTENANCE OF BRIDGES:

Bangor-Brewer Bridge:

Labor.....	10 00
Lumber.....	7 00
Hardware.....	3 00

Red Bridge:

Cement.....	10 00
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Morse's Mill Bridge:

Labor.....	5 00
Lumber.....	5 00

Railroad Bridge:

Lumber	5 00
Labor	4 00
Hardware	1 00

GENERAL HIGHWAY EXPENDITURES:

Log dragging country roads, Sec. 1, labor	10 00
Repairing culverts, Sec. 2, labor	4 50
Repairs and maintenance city streets, Sec. 1, gravel	25 00

Crusher Expense:

Oil	2 00
Dynamite and exploders	20 00

Auto Truck Expense:

Oil	3 00
Gasoline	8 00
Parts	2 00

Horses:

Hay, grain and feed	10 00
Shoeing	8 00
Veterinary and medicine	2 50
Repairs and renewals harnesses	5 00

Total	<u>\$ 225 00</u>
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Finally this data is posted to the "Detail Ledger" and a trial balance taken.

This system was started July 1, 1914, and on account of not having the system in operation the entire year, the cost of each job is not given in the following report, but rather the amount of work, or distance covered, on the various streets, is stated.

Previous to this year no record of cost of the various classes of work was kept, which was a great handicap in compiling estimates for the annual budget. The present system will assist greatly in compiling any future estimates.

Henceforth, with the present system, the department will be able to determine the cost at the end of each month of all the work done, and any other expense classified in detail.

A record of work done, and the cost of same, will be kept by streets so that by referring to the records at any future time, the cost and class of work done on any street may readily be determined, as well as the year and month in which the work was done.

The expenditures for the year in the Highway Department were as follows:

Refuse and garbage removal	\$ 5,114 80
Street cleaning	12,318 73
General administration	3,392 74
General Highway Expenditures:	
Repairs, maintenance, yard ledger, material, supplies	52,589 99
Reconstruction general	4,198 48
Sidewalks and curbing	17,648 50
Snow and ice removal	8,645 47
Sprinkling expense	8,243 84
Sprinkling equipment	2,625 00
Construction State aid road	4,126 90
Total	\$118,904 45

Included in the foregoing figures are the following amounts which were brought over from the previous year:

General highway expenditures	\$ 4,656 87
Sprinkling	4 50
Total	\$ 4,661 37

The revenue earned from various sources during the year amounted to \$20,294.01. Deducting from the total expenditure the amounts brought over from the previous year and the revenue earned during the year, the net cost of the Highway Department for the fiscal year amounted to \$93,949.07.

An addition was made to the blacksmith shop whereby a wagon can be taken into the shop and repaired, and several minor changes were made in this shop to facilitate the handling of the work.

A garage was built to accommodate the motor truck, thereby saving a cost of \$120.00 per year for the storage of same.

The truck has been used practically the entire year, with good results. The cost of hauling with the motor truck per cubic yard averaged 52 cents. This cost includes repairs and supplies, such as gasoline and oil, wages of the operator, and the fixed charges upon the truck, such as insurance, accident insurance, license, depreciation and interest on the original investment. The cost of hauling with teams to the same places as the motor truck hauled averaged 85 cents per cubic yard.

A great many yards of sand were stored at the city stables for winter use, and during the winter placed upon the sidewalks as required.

At the beginning of the year the department constructed eighteen new log drags and these were placed in the hands of the road agents with instructions to drag the roads after each rain, or when the roads were in suitable condition to drag. By systematically dragging the roads it was found that the crown of the road was well maintained, thereby allowing the surface water to run off quickly, leaving the road in a firm condition for travel.

The bushes and small trees in the right of way of all the out-lying streets were cut and burned. By cutting the bushes in the ditches the department will be enabled to readily turnpike many of these roads the coming year. Furthermore, by cutting the bushes on the right of way it allows the sunshine to dry up the water in the ditches more quickly and this lowers the level

of the ground water in the road bed, thus the hard surface is more readily maintained.

Many culverts were repaired during the year, and in most cases the wooden ones have been replaced with corrugated iron ones, which are of a more permanent nature than wooden culverts. The location of the culverts repaired is shown in detail in the following report.

Several orders were introduced in the City Government relative to the paving of several streets, but these orders did not pass. The only permanent work of this nature was the paving of Washington Street, from Oak Street to the entrance to the Bangor-Brewer bridge, with granite block pavement, and the laying of concrete pavement on Hammond Street, from a point just beyond Cedar Street to Webster Avenue, a distance of 1859 feet.

At the corner of Union and Hammond Streets about 135 square yards of brick paving was laid. This pavement was laid to test the brick of a local manufacturer, and the bricks were furnished by the Brooks Brick Company of Brewer, the labor being furnished by the Highway Department.

The pavement around the watering trough in Pickering Square was relaid, and curbing placed on the outside of this pavement.

Brick sidewalks were repaired and relaid on the following streets: Broad Street, Central Street, Columbia Street, Hammond Street, State Street, Short Street, Water Street, Haymarket Square, Pickering Square.

In many instances granite gutters leading from buildings to the curbing were removed and brick laid in their places, as these gutters were no longer of any use, the conductors carrying the water from the roof to the cellars of the buildings instead of to the sidewalk.

The plank sidewalk on Hammond Street, in front of the Stetson property, was repaired and covered with tar concrete. The plank sidewalk on Hammond Street, in front of the Catell Block, was repaired and relaid.

Tar walks were laid both by the crew from the Highway Department and by various local contractors. The cost of building these tar walks was 84 cents per square yard for new sidewalks, 50 cents per square yard for recoating sidewalks and crosswalks, and 90 cents per square yard for new crosswalks.

Granite from the old Post Office ruins was recut and a considerable amount of curbing and flagging was obtained from the same. The curbing was sold to various persons in the city who wished to have it placed in front of their premises.

Flagging was used to construct new crosswalks and in the repair of old ones. A detailed statement of new crosswalks built and old ones repaired is given below.

It might be stated as a typical case of washout following a severe rain storm, that 36 cubic yards of gravel were used to repair the necessary washouts in sidewalks and streets after one storm. We have had quite a number of severe rain storms during the past year and in every case the washouts have been attended to as promptly as possible.

By order of the City Government the Highway Department was given entire charge of sprinkling, the sprinklers being purchased from the contractor who had the contract for sprinkling for the fiscal year 1913-14.

Late in the summer the City Government decided to use some oil on the streets. A horse-drawn oil pressure distributor was purchased in order that the city might distribute the oil rather than hiring this done by contract. It was finally decided to use three grades of oil, a non-asphaltic, a light asphaltic, and a heavy asphaltic oil. These oils met with various degrees of

success, and from an operating standpoint of keeping the surface of the roads in good condition for travel, the sprinkling of oil on the streets was a success.

Some few complaints were received from automobile and carriage owners, and others, relative to the disagreeable features of tracking of the oil, and the sticking of same to automobiles and carriages.

The heavy asphaltic oil, which was well covered with fine, crushed gravel, and traffic kept off the street until same had hardened, gave the best results.

The retaining wall on Sidney Street, abutting the property of John P. Finnigan was constructed. About two years ago Mr. Finnigan paid his proportional cost of the retaining wall, but the department did not build the wall until this year.

Fences on Court Street, Franklin Street and Franklin Street bridge have been repaired during the past year.

Refuse and garbage was collected by this department up to July 13, 1914, when it was discontinued by order of the City Government. Since that time cans have been placed at convenient locations along the curbing where miscellaneous refuse may be thrown by persons passing along the street. The refuse has been collected from these cans twice a week, or oftener in case they are filled sooner than that.

During the early part of the summer the Chamber of Commerce instigated a general clean-up of the whole city. The Highway Department cooperated and teams were furnished by this department to haul the refuse and garbage from the houses all over the city. This was accomplished at considerable expense but the results obtained well warranted the cost of the work.

During the summer months the pavement on the following streets was thoroughly swept at night twice a week: Front St., Broad St., Water St., Main St., Columbia St., Hammond St.,

Mercantile Square, West Market Sq., Central St., Washington St., Exchange St., Hancock St., Harlow St., State St., Bangor-Brewer Bridge.

For three months of the summer the above streets were flushed once a week.

During "Carnival Week" a considerable amount of work was thrown upon the department. An interesting feature of this clean-up is the fact that after one of the "Confetti" nights six two-horse loads of confetti were hauled from Main Street alone.

A summary of the work of the department follows:

The distances given below are approximate. For the exact length in feet of the streets covered see the detailed report.

5½ miles of new gravel sidewalks were built.

12 miles of sidewalks were resurfaced with gravel.

5 miles of tar sidewalks and crosswalks were built and repaired.

526 sq. yds. of granolithic sidewalks were constructed.

122 crosswalks were constructed of granite flagging, gravel and tar concrete.

20 granite crosswalks were relaid.

25 miles of streets were turnpiked.

15 miles of streets were resurfaced with gravel.

6.4 miles of streets were sprinkled with oil.

28.7 miles were sprinkled with water.

23011 cubic yards of gravel and crushed rock were delivered on the streets and sidewalks of the city.

The cost of crushing rock at the city's bank at Mosquito Mountain averaged 32 cents per cubic yard.

Following is a detailed statement of the amount of work, and the location of the same, accomplished by the Highway Department during the fiscal year ending February 28, 1915:

WORK DONE IN THE HIGHWAY DEPARTMENT

NEW GRAVEL SIDEWALKS

Bean Court, south side	300 feet
Boutelle Road from Hammond St. to Graham Ave.	260 "
Bowdoin St.	260 "
Bower St., one side.	300 "
Catell St., north side.	550 "
Center St. Ave., north side from Center to French St.	300 "
Fifteenth St.	400 "
Forest Ave., east side from Stillwater Ave. to Milford St..	360 "
Forest Ave. west side from Mt. Hope Ave. to Stillwater Ave.	1100 "
Fourteenth St. east side, whole length.	4880 "
Fourteenth St. west side from Hammond to Allen St.	1190 "
Franklin St. west side from Harlow St. to Bridge.	360 "
Graham Ave.	250 "
Hammond St. from Odlin Road west.	5400 "
Hammond St. from Dean St. to Silver Road.	1680 "
Hammond St. from Royal Road to Norway Road.	200 "
Hogan Road east side from State St.	700 "
Hubbard St., north side.	170 "
Jackson St., north side.	300 "
Kenduskeag Ave.	500 "
Larkin St., south side.	150 "
Lincoln St.	1350 "
Linden St., from Leighton to Norfolk St.	200 "
Manners Ave., south side.	760 "
Milford St., both sides from Essex St. to Grove St.	360 "
Mt. Hope Ave., both sides from Elm St. to Forest Ave. ...	275 "
Nelson St., north side.	450 "
Norfolk St., south side near Poplar St.	200 "
Norway Road.	420 "
Perkins St., south side.	200 "
Russel St.	200 "
Rutland St., one side.	440 "
Sidney St., west side.	100 "
Union St., south side from Manners Ave. to Wiley St.	520 "

Union St., south side from Hammond to Pond St.....	950 feet
Vine St., south side.....	500 "
Vine St., north side.....	620 "
Webster Ave. North, north side whole length, south side 60 feet.....	550 "
Williams St., north side whole length.....	420 "

 28,125 feet

SIDEWALKS SURFACED WITH GRAVEL

Allen St. from Hammond St. to end.....	1355 feet
Bean Court.....	300 "
Bowdoin St., both sides.....	1800 "
Bower St., south side.....	560 "
Broadway, beyond Center St.....	150 "
Carr St., west side.....	100 "
Catell St., south side.....	840 "
Center St., north line Baptist Church to Spring St.....	250 "
Center St., east side near Broadway.....	50 "
Chatham St., south side.....	350 "
Congress St., north side from Center to Norfolk St.....	400 "
Congress St., from Kenduskeag Ave to Fountain St. south side.....	270 "
Cottage St. north side from Union St.....	250 "
Court St., south side.....	610 "
Cumberland St., south side northerly of New St.....	50 "
Dean St., east side.....	590 "
Dexter St., both sides whole length.....	1140 "
Dillingham St., south side.....	60 "
Dutton St., south side.....	480 "
Elm St., east side Stillwater Ave., south.....	200 "
Elm St. from Stillwater Ave. to end, both sides.....	1060 "
Emerson St. from Main St., westerly side.....	210 "
Essex St. east side between Milford S. and Stillwater Ave..	225 "
Essex St., west side.....	800 "
Fifteenth St., south side.....	460 "
Fifteenth St., north side from Union to Ohio St.....	1130 "

Fountain St., east side from Linden St., south.....	150 feet
Fountain St., east side from Jefferson to Madison St.	280 "
Fountain St. near Poplar St.....	50 "
Franklin St., west side from Hammond St. to bridge.....	380 "
Fruit St., west side from State to Garland St.....	935 "
Fruit St., east side.....	100 "
Garland St., south side from Birch to Fern St.....	260 "
Garland St., north side from Birch to Maple St.....	260 "
George St., west side.....	470 "
Hammond St., from West Broadway to Thirteenth St....	2600 "
Hancock St., north side from Oak St. to French St.....	190 "
Hayward St., north side.....	100 "
Hellier St., both sides.....	720 "
Highland St., east side.....	1150 "
Holland St.....	100 "
Howard St., east side from Garland St., north.....	100 "
Jackson St., north side.....	300 "
Kenduskeag Ave., from Jefferson St. to Scott Farm.....	2215 "
Kossuth St., east side.....	1220 "
Lane St., north side.....	580 "
Lane St., south side.....	250 "
Larkin St., from Main St. both sides.....	500 "
Larkin St. from Third St., south side.....	500 "
Leighton St., east side from Congress St. south.....	500 "
Leighton St. from Jefferson to Madison St., both sides...	760 "
Lincoln St., both sides from Main St., south.....	700 "
Madison St. from Kenduskeag Ave. to Leighton St., north side.....	430 "
Main St., east side from Lincoln to Emerson St.....	490 "
Main St., east side from Dutton to Emerson St.....	220 "
Maple St., west side from State to Garland St.....	79 "
Market St., near Cumberland St.....	100 "
Montgomery St., west side from Center St.....	128 "
Mt. Hope Ave., south side from Forest Ave. to Parkview Ave.....	465 "
Mt. Hope Ave., north side from Parkview Ave. to Birch St.....	560 "
North St., both sides.....	900 "

Norway Road	446 feet
Oak St., west side near Hancock St.	100 "
Ohio St., south side	400 "
Ohio St., north side near Jackson St.	100 "
Park St.	250 "
Patten St.	200 "
Pearl St., west side northerly of Garland St.	150 "
Pier St.	300 "
Pond St., north side.	125 "
Rio St., south side, whole length.	270 "
Sanford St. from Warren to Cedar St.	1640 "
Savage St., both sides.	450 "
Seventh St. from Hammond to Larkin St., north side.	1790 "
Seventh St. from Hammond to Savage St., south side.	1320 "
Second St. Ave.	70 "
Sidney St., both sides.	1600 "
Spring St., both sides.	1240 "
State St., south side from Otis St. to Summit Ave.	1700 "
State St., north side east of Summit Ave.	400 "
Stillwater Ave. from Elm to Essex St.	350 "
Summit Ave.	255 "
Thatcher St.	250 "
Third St., north side from Warren to Carroll St.	540 "
Third St., north side from Larkin to Lincoln St.	275 "
Thirteenth St., north side.	500 "
Union St., near West Broadway.	120 "
Union St., northerly of Cottage St.	200 "
Vine St., north side.	800 "
Washington St., north side easterly of French St.	115 "
Webster Ave., east side.	4610 "
West Broadway from Hammond to Lincoln St., south side.	1800 "
West Broadway from Hammond to Union St., both sides.	2900 "
West St., west side.	350 "
Williams St., north side.	420 "
Winter St., both sides, whole length.	1400 "

 59,868 feet

TAR CONCRETE SIDEWALKS AND CROSSWALKS

Streets	New Work	Repaired	Crosswalks
Adams		515.47	
Birch		489.55	
Bower	223.41		16.33
Broadway		103.11	36.7
Catell	88.9		
Center	20.2		
Charles	261.27	99.37	
Congress	33.33		
Cottage	24.22		
Court		139.21	
Cumberland	80.10		
Drummond	94.66		
East Summer	363.69		
Elm	683.38		
Essex		672.63	
Fountain	51.87		
Fourth	46.66	25.57	
French	69.33	728.35	3.71
Garland	285.89	305.88	
Grant	746.4		
Grove	2347.29	38.88	
Holland	607.13		
James		408.22	26.66
Linden	145.9		
Maple		1,624.5	
Montgomery	10.2	9.02	
Ohio	902.61	12.52	314.35
Park	107.99		
Parkview Ave.	355.7		
Penobscot	188.64		
Pickering Sq.		40.72	
Pier	41.94		
Pine	61.4		
Poplar	37.07		
Second		200	45

Street	New Work	Repaired	Crosswalks
Somerset	203.5	88.51	
State St. Hill		256.8	40.5
Union St.	234.73	51.8	182.5
Webster Ave.	1,129.44	78.66	249.39
Wiley	1,489.87		
	10,936.72	5,888.77	915.14
	sq. yds.	sq. yds.	sq. yds.

NEW SIDEWALKS

GRANOLITHIC

Broad St.	53.5	sq. yds.
Central St.	270.71	" "
Congress and Leighton Sts.	110.9	" "
French and York Sts.	91	" "
	526.11	sq. yds.

NEW CROSSWALKS

GRANITE FLAG

1 at Bowdoin and Seventh Sts.
1 at Catell and Hubbard Sts.
1 at Hammond and Allen Sts.
2 at Hammond and Boutelle Road.
2 at Hammond and Bowdoin Sts.
1 at Hammond and East Sts.
1 at Hammond and Fourteenth Sts.
1 at Hammond and North Sts.
2 at Hammond St. and Royal Road.
2 at Hammond and Seventh Sts.
1 at Hammond St. and Silver Road
1 at Hammond and Thirteenth Sts.
2 at Hammond and Vernon Sts.
2 at Hammond St. and Webster Ave.

- 1 at Hammond St. and Webster Ave. North.
- 2 at Hammond St. and West Broadway.
- 1 on Hammond St. near Court House
- 2 on Hammond St. near Tyler Stand.
- 1 on Hammond St. near Joy's.
- 1 at Harlow and Curve Sts.
- 1 at Haymarket Square and Independent St.
- 1 at Garland and Otis Sts.
- 1 at Garland St. and Parkview Ave.
- 2 on Graham Ave.
- 1 at Larkin and Rio Sts.
- 1 at Leighton and Lincoln Sts.
- 1 at Main and Emerson Sts.
- 1 at Main and Larkin Sts.
- 1 at Mt. Hope Ave. and Pearl St.
- 1 at North and West Sts.
- 1 at Ohio and Fifteenth Sts.
- 1 at Ohio and Fremont Sts.
- 2 at Ohio and Sixteenth Sts.
- 1 at Ohio and Smith Sts.
- 2 at Parkview Ave. and Coombs St.
- 1 on South St.
- 1 at Summer and South Sts.
- 1 at Third and Larkin Sts.
- 2 at Third and Sidney Sts.
- 1 at Union and Fifteenth Sts.
- 2 at Union and Fourteenth Sts.
- 1 at West Broadway and Pier St.
- 1 in West Market Square.

56 crosswalks.

NEW CROSSWALKS

GRAVEL

- 1 at Birch and Garland Sts.
- 1 on Bower St.
- 2 on Central St.

1 on Cumberland St.
2 on Dean St.
5 on East Broadway.
1 on French St.
1 on Fairmount Park East.
2 on Fourteenth St.
1 on Hancock St.
1 on Hersey Ave.
1 on Kenduskeag Ave.
1 on Market St. at Blake's Store.
2 at Market and South Park Sts.
1 at Market and Willow Sts.
3 on Mount Hope Ave.
1 at Ohio and Fifteenth Sts.
1 on Royal Road.
1 at Seventh and Lincoln Sts.
1 on Sidney St.
2 at State St. and Summit Ave.
1 at Third and Lincoln Sts.
1 at Union and Thirteenth Sts.

—
34 Gravel Crosswalks.

CROSSWALKS—NEW AND RECOATED

TAR CONCRETE

1 at Broadway and Garland St.
1 at French and Somerset Sts.
1 at Ohio St. and Abbott Lane.
1 at Ohio and Autumn Sts.
2 at Ohio and Bower Sts.
3 at Ohio and Holland and Wiley Sts.
2 at Ohio and Smith Sts.
2 at Ohio and Winter Sts.
2 at Second St. and Second St. Ave.
1 on Second St.
1 at State St. and Eastern Maine General Hospital.
3 at Union and Hammond and Fourth Sts.

- 1 at Union and High Sts.
- 1 at Union and Hudson Sts.
- 2 at Union and Wiley Sts.
- 1 at Webster Ave. and Boutelle Road.
- 1 at Webster Ave. and East St.
- 1 at Webster Ave. and Norway Road.
- 1 at Webster Ave. and Royal Road.
- 1 at Webster Ave. and West St.

29 Tar Concrete Crosswalks.

CROSSWALKS—RELAID

GRANITE FLAG

- 6 on Center St.
- 3 on Hammond St.
- 5 on Main St.
- 2 on Ohio St.
- 3 on State St.
- 1 on Washington St.

20 Granite Flag Crosswalks.

STREETS TURNPIKED

Bellevue Ave., all of	540 feet
Birch St. from Garland St. to Mt. Hope Ave.....	1420 "
Blackstone St. from Center to Fountain St.	860 "
Boutelle Road, all of	1360 "
Bowdoin St., all of	950 "
Bower St., all of	460 "
Broadway from Garland to Center St	2900 "
Catell St., all of	820 "
Center St. Ave., all of	290 "
Chatham St., all of	350 "
Church Road from Essex St. to Broadway.....	8800 "
Clinton St., all of	320 "
Columbia St. from Middle to Union St.....	200 "

Congress St. from Center St. to Kenduskeag Ave.....	1220 feet
Curve St., all of.....	880 "
Dayton St., all of.....	260 "
Drummond St., all of.....	540 "
Everett St., all of.....	790 "
Essex St. from Stillwater Ave. to town line.....	23,000 "
Fern St. from Garland St. to Mt. Hope Ave.....	1480 "
Franklin St. from Hammond St. to bridge.....	380 "
Fremont St., all of.....	700 "
French St. from South Park St. to Broadway.....	2300 "
Fruit St., all of.....	2580 "
Garland St. from Center to Howard St.....	5000 "
George St., all of.....	450 "
Graham Ave., all of.....	910 "
Hammond St. from Vernon St. to Webster Ave.....	430 "
Hellier St., all of.....	420 "
Holland St., all of.....	1180 "
Hubbard St., all of.....	160 "
Jackson St. from Union St. to Highland Ave.....	490 "
James St. from Union St. to Highland Ave.....	490 "
Jefferson St. from Center St. to Kenduskeag Ave.....	1130 "
Jessie St., all of.....	310 "
Kossuth St.....	1020 "
Lincoln St. from Main to Third St.....	2700 "
Main St. from Railroad St. to Hampden Line.....	2890 "
March St., all of.....	520 "
Merrimac St., all of.....	810 "
Mt. Hope Ave.....	8000 "
Nelson St., all of.....	450 "
New St. from Cumberland St. to Spring St.....	230 "
Norway Road, all of.....	2050 "
Ohio St. from Winter to Seventeenth St.....	2890 "
Otis St., all of.....	840 "
Palm St. from Coombs to Garland St.....	200 "
Parker St. from Patten St. to Second St.....	530 "
Patten St., all of.....	1620 "
Pearl St., all of.....	3090 "
Pier St. and Warren St.....	3100 "

Pine St. from Garland St. to Stillwater Ave.....	1320 feet
Royal Road, all of.....	1700 "
Seventh St., all of.....	2150 "
Sidney St., all of.....	1750 "
Six Mile Falls Road from Broadway to Six Mile Falls Bridge.....	8650 "
Smith St., all of.....	1160 "
State St., west of Red Bridge.....	500 "
Stillwater Ave. from Hogan to Chase Road.....	3300 "
Summit Ave., all of.....	500 "
Walter St., all of.....	1690 "
Warren St. (See Pier St.)	
Webster Ave., all of.....	4780 "
Webster Ave. North, all of.....	500 "
Wiley St., all of.....	1390 "
Williams St., all of.....	370 "

 125,070 feet

STREETS RESURFACED WITH GRAVEL

Allen St. from Hammond to Fourteenth St.....	1400 feet
Bellevue Ave.....	200 "
Broadway from Garland to South Park St.....	520 "
Broadway from North Park St. to Earle Ave.....	2400 "
Catell St. from Main St. westerly.....	800 "
Columbia St. from City Hall to Middle St.....	580 "
Congress St. from Center St. to Kenduskeag Ave.....	1220 "
Cooper Road between Hammond St. and Cram Road....	150 "
Cottage St. from Union St.....	1100 "
Court St., whole length.....	2140 "
Cram Road.....	1000 "
Davis Road.....	1020 "
East Summer St., whole length.....	680 "
Elm St. from Garland St. to Stillwater Ave.....	2060 "
Essex St. from Stillwater Ave. to U. S. Arsenal.....	2310 "
Everett St.....	780 "
Fifth St. near Pier St.....	150 "

Fifteenth St. from Union to Ohio St.....	1130 feet
Finson Road.....	2640 "
Fourth St.....	150 "
Fourteenth St.....	400 "
Franklin St.....	350 "
French St. from Garland to South Park St.....	980 "
Garland St. from Fruit to Otis St.....	170 "
Grant St. from Montgomery St. northerly	655 "
Griffin Road.....	1000 "
Hammond St.....	250 "
Hancock St. westerly of Essex St.....	40 "
Haymarket Square (§ the area of)	
Highland Ave.....	1030 "
Holland St.....	1,240 "
Howard Lane.....	380 "
Jackson St.....	490 "
James St.....	490 "
Larkin St. from Seventh St. to West Broadway.....	650 "
Lincoln St. from south side of Third St. to south side of Seventh St.....	1,800 "
Main St. from Railroad to Dillingham St.....	4,600 "
Nelson St.....	430 "
Odlin Road.....	6580 "
Olive St.....	200 "
Ohio St.....	3100 "
Patten St.....	100 "
Pier St. from West Broadway to Seventh St.....	460 "
Pine St. from Cumberland St. to Stillwater Ave.....	1800 "
Pond St.....	110 "
Savage St. from Seventh St. to West Broadway.....	450 "
Short St.....	110 "
Sidney St. from Main St. northerly	1100 "
Six Mile Falls Road.....	8650 "
Sixteenth St.....	1100 "
Smith St.....	300 "
State St. on Hitchborn Hill.....	200 "
State St. near Red Bridge.....	600 "
Summer St.....	200 "

Thirteenth St.	150 feet
Union St. to Hermon Line.	7190 "
Union St. from Second to Fourth St.	930 "
Union St. from Highland to Cottage St.	600 "
Union St. from Fourteenth to Sixteenth St.	1130 "
Warren St. from Second to Sanford St.	250 "
Warren St. near Third St.	100 "
West Broadway.	3,000 "
West Park St. from Center to French St.	280 "
Wiley St. from Union to Ohio St.	1,390 "
Williams St.	140 "
	77,605 feet

STREETS SPRINKLED WITH OIL

Boynton St.	370 feet
Broadway from State to South Park St.	2440 "
Cedar St. from Main to Second St.	650 "
Center St. from Somerset to South Park St.	1390 "
Clinton St.	310 "
Columbia St. from City Hall to Union St.	420 "
Court St.	2290 "
Cross St.	175 "
Essex St. from Somerset St. to U. S. Arsenal.	4550 "
Hammond St. from Columbia St. to 400 feet west of Cedar St.	2730 "
Hudson St.	350 "
Main St. from Union to Railroad St.	1250 "
Ohio St. from Hammond to Court St.	1950 "
State St. from Exchange St. to Summit Ave.	5770 "
Somerset St.	2470 "
Stillwater Ave. from Pine to Grove St.	710 "
Union St. from Hammond St. to 1500 feet northwest of Seventeenth St.	6980 "
	34,805 feet

STREETS SPRINKLED WITH WATER

Adams St.
Birch St., part of
Bower St.
Boynton St.
Broad St.
Broadway from State to Congress St.
Cedar St. from Summer St. to West Broadway
Center St.
Central St.
Clinton St.
Columbia St.
Congress St. from Center St. to Broadway
Coombs St.
Cottage St.
Court St.
Cross St.
Cumberland St.
Curve St.
Division St.
East Summer St., half way
Elm St. from Somerset St. to above School House
Essex St. from Hancock St. to Stillwater Ave.
Everett St.
Exchange St.
Fern St. from State to Garland St.
Fifth St. from Hammond to Pier St.
First St.
Forest Ave. from State St. to Mt. Hope Ave..
Fourth St. from Hammond to Pier St.
Franklin St.
French St. from Washington to Congress St.
Front St.
Garland St. from Center to Otis St.
Grove St. from State to Garland St.
Hammond St. from Kenduskeag Bridge to Royal Road
Hancock St.
Harlow St.

Haymarket Square
Hayward St.
High St.
Highland St.
Hodsdon St.
Howard St. from State to Garland St.
Hudson St.
Independent St.
James St. from Union St. to Highland Ave.
Jefferson St.
Kenduskeag Ave. from Harlow to Congress St.
Main St. from Hammond St. to Hampden Line
Maple St. from State to Garland St.
May St. from Main to Summer St.
Mercantile Square
Middle St. from Columbia to Main St.
Montgomery St.
Newbury St. from York to State St.
North Park St.
Oak St.
Ohio St. from Hammond to Fourteenth St.
Palm St.
Parkview Ave. from State to Coombs St.
Pearl St. from Hancock to State St.
Penobscot St.
Pickering Square
Pier St.
Pine St. from Hancock St. to Stillwater Ave.
Pleasant St.
Pond St.
Prentiss St.
Railroad St.
Sanford St.
Second St. from Union to Warren St.
Seventh St. from Hammond to Pier St.
Short St.
Sixth St. from Hammond to Pier St.
Somerset St.

South St.
South Park St. from Center to Pine St.
Spring St.
State St. from Kenduskeag Bridge to E. M. G. Hospital
Stillwater Ave. from Pine to Essex St.
Summer St.
Third St. from Union to Warren St.
Union St. from Broad to 1500 feet westerly of Seventeenth St.
Warren St.
Washington St.
Water St.
West Broadway
Wiley St.
York St.

Mr. John R. Graham, President of the Bangor Railway & Electric Company, wished to experiment with glutrine on a gravel surfaced road. The road chosen was the Six Mile Falls Road from a point near the junction of Broadway and Kenduskeag Avenue to the old car barn of the Bangor Railway & Electric Company.

In the vicinity of the farm owned by Mr. Graham it was decided to make a large fill. A corrugated iron culvert with concrete ends was placed in this fill and gravel was hauled from the gravel pit on the farm of Mr. Graham.

The surface of the road was rolled with a steam roller and two applications of the glutrine were placed upon the same and rolled.

As a further experiment in the use of the glutrine for road building purposes a short stretch of this same road was covered with one application of glutrine.

The road compacted under travel and during the fall it was found that the road maintained a hard, uniform surface. The manufacturers claim that by the use of glutrine the road will

be cemented together in a hard surface and remain so for several years.

As this is the first instance of using glutrine in this state, it remains to be seen just what effect our frosts will have upon the surface of this road. At present the road seems to be a success. If this proves to be true we should be able to build gravel roads, mixed with glutrine, at a very small cost, as the cost of applying the glutrine is not very much.

Mr. Graham furnished all the gravel and glutrine and the most of the labor in building this section of the road and the department wishes at this time to publicly thank Mr. Graham for his cooperation and interest in this matter.

Very respectfully,

FRANK E. PRESSEY,

Street Commissioner.

Report of the City Engineer

BANGOR, ME., March 1, 1915.

To the Honorable Mayor, and Members of the City Council of Bangor:

Gentlemen:—

I herewith submit the following report of the work executed by the Engineering Department for the year ending February 28, 1915.

ASSESSOR'S MAP

In anticipation of an appropriation for this work, the preparation of plans for the assessors was continued at an expense of about \$455.00.

BRIDGES

BANGOR-BREWER BRIDGE.

The new steel spans which were furnished by the Canton Bridge Company were erected during the fiscal year. The inspection of the erection was made and the driven rivets tested by the Engineering Department.

RED BRIDGE

It was found that this bridge was in need of a new floor system and, after a study of the location, it was deemed advisable to replace the wooden abutments with concrete and raise the same about four feet. Steel I-beams were used for

stringers to carry the load, and wooden timber were used to which the flooring was fastened. The approaches to the bridge on both sides were raised to conform to the new height of the bridge.

CENTRAL STREET BRIDGE

Estimates were made of the cost of replacing the present Central Street bridge with reinforced concrete bridge.

RAILROAD BRIDGE

The sidewalks on the Railroad Bridge were replanked.

The small bridge just east of the Six Mile Falls bridge was repaired during the present season, both wooden abutments were replaced with concrete. Steel and wooden stringers were used in the floor system of this bridge similar to that of the Red Bridge.

The following bridges were replanked: Morse's Mill Bridge, Griffin Bridge, on Union Street, Ohio Street Bridge.

The Salt Mill Bridge was given one coat of paint.

The bridge expense for the past year is as follows:

Repairs and Maintenance of bridges	\$ 5,287 81
Construction Bangor-Brewer bridge	8,180 50
Total	<u>\$13,396 31</u>

Included in the above item of repairs and maintenance of bridges is \$180.34 which was carried over from the previous year.

HOUSE NUMBERS

Measurements were made and the correct numbers were given for new houses and buildings as required by the owners.

New house numbering plans were made for part of Broadway and Second Street Avenue.

All new house numbers have been furnished to the Water Department. The filing of house numbers has been changed to a more convenient system.

A survey for a retaining wall on the westerly side of New Street, between Spring and Cumberland Streets, was made, also, an estimate of the cost of the wall.

NEW STREETS LAID OUT AND GRADES ESTABLISHED

The following streets and grades have been laid out by the Board of Street Engineers, accepted and established by the City Council, surveys, plans and profiles being made by this department:

- Bill Street, French to East Broadway
- French Street, Alden to Bill Street.
- Alden Street, E. Broadway to French Street.
- Lancaster Avenue, E. Broadway to Essex Street.
- East Broadway, Bill Street to Lancaster Ave.
- Warwick Street.
- Woodbury Street.
- Bryant Street.
- Driveway at new Federal Building.

SEWERS

Surveys, plans and profiles, and reports on the estimated cost have been made of the following sewers:

Trunk Line extending from Ohio Street southerly, across Fifteenth Street, to the intersection of Union and Fourteenth Streets.

Sewer in Lincoln Street near Sixth street, also of the district which would discharge through an intersecting sewer into the Barkerville trunk line sewer westerly of Sixth Street.

Broadway between Center and Arctic Streets, also of district northerly of Broadway.

To turn the flow of catch basin on Union Street, near Fifteenth Street, into the Fifteenth Street sewer.

Sewer on North Park Street.

Sewer on West Park Street.

Sewer on Fountain Street.

Sewer on Francis Street.

Sewer on Larkin Street.

Sewer on Russell Street.

Sewer on Hancock Street.

Sewer on State Street.

Sewer on Franklin Street to accommodate the Peirce buildings.

Short extension of sewer on Hancock Street.

Several locations in State Street and across abutting property.

This department has given frequent lines and levels during construction.

STREET LINES AND GRADES

The following street lines and grades have been surveyed and designated, when needed by the highway department, electrical department, contractors for street maintenance or construction, and upon the request of property owners:

STREET GRADES

Bellevue Ave.

Boutelle Road.

Broadway

Central St.

Essex St.

Fountain St.

Franklin St.

Leighton St.

Linden Street

Main Street

Nelson St.

New St.

Norfolk St.

Patten St.

French St.
Garland St.
Grant St.
Hammond St.
Hancock St.
Harlow St.
Hazel St.
Independent St.
Lafayette St.

Pier St.
Sidney St.
Sixth St.
Stetson Square
Tyler Ave.
Washington St.
Williams St.
York St.

STREET LINES

Bellevue Ave.
Bowdoin St.
Bower St.
Broadway
Catell St.
Central St.
Congress St.
Cooper Road
Davis Road
Dayton St.
Dean St.
Division St.
Dutton St.
East Summer St.
Elm St.
Essex St.
Forest Ave.
Fountain St.
Fourteenth St.
French St.
Garland St.
Grant St.
Hammond St.
Hancock St.
Harlow St.
Holland St.

Montgomery St.
Mt. Hope Ave.
Nelson St.
New St.
Norfolk St.
Norway Road
Odlin Road
Ohio St.
Otis St.
Palm St.
Parkview Ave.
Patten St.
Penobscot St.
Pier St.
Pine St.
Poplar St.
Seventh St.
Sidney St.
Six Mile Falls Road
Smith St.
Somerset St.
South St.
Spring St.
St. Patrick St.
State St.
Stillwater Ave.

Hubbard St.
Independent St.
Jessie St.
"L" Street
Lafayette St.
Leighton St.
Lincoln St.
Linden St.
Main St.
Maple St.
Milford St.

Summit Ave.
Third St.
Tyler Ave.
Union St.
Vine St.
Warren St.
Washington St.
Webster Ave.
Wiley St.
Williams St.
York St.

STREET MONUMENTS

Street monuments were reset at the corner of Fourteenth and Perkins Streets, French and Montgomery Streets, and Fountain and Montgomery Streets.

STREET OPENINGS

Permits for street openings were given as required, measurements were made for same, and assessments made according to the kind of pavement or road material dug up.

STREET SIGNS

New street signs were placed on Holland Street and Second Street Avenue.

STREET SPRINKLING

Several estimates were made of the cost of sprinkling the streets of the city with water in anticipation of doing this work by contract, but the City Council voted that it should be done by the Highway Department. After the streets to be sprinkled had been decided upon a final estimate of the cost was made

and the abutting properties assessed according to this estimate and their valuations.

TAR CONCRETE WALKS

Lines and grades were given and measurements made of all the new concrete sidewalks and crosswalks and repairs on same.

MISCELLANEOUS

An estimate was made of the number of trees required to replace those destroyed by the fire of 1911. Later street lines and location of trees were given.

The lines of Harlow and New Streets were surveyed and a plan made showing the location for the Maine shield trophy on the Library Lot.

An estimate was made of the Morse's Mill property for the assessors.

A survey was made for grading the Abbott Square Lot, and an estimate of the fill necessary to bring O'Brien's lot to the grade of New Street.

Baseball diamonds were laid out at Maplewood Park for both the High School and League teams. A football gridiron was laid out at Maplewood Park for High School teams, and lines and grades were given for a baseball diamond near the Eastern Maine General Hospital.

Street lines and the location of poles for lighting system were given for the electrical department as follows:

On Broadway, Cooper Road, Davis Road and Exchange Street.

A survey and plan was made of the lines of Washington Street and the Bangor-Brewer Bridge approach to establish the location of the Bangor Railway and Electric Company's tracks.

A plan was made showing all the Highway monuments and other street corners.

A plan showing location of city bench marks was made.

Two large plans of the East and West sides, respectively, were made, showing the location and nature of all highway improvements, such as pavements, sidewalks, curbing, crosswalks, etc.

Surveys and plans were made for the possible straightening of Norfolk Street at Linden Street.

A survey and plans were made of Exchange Street and a part of State Street, for the electrical department, showing location of projected lighting system.

Two large maps of the East and West sides, respectively, were made showing the location and size of water mains, hydrants and valves. These maps were delivered to the Water Board.

Lines and grades were given as required on State Aid Road on Hammond Street.

The expenditures in the Engineering Department were as follows:

Engineering salaries.....	\$3,214 59
Engineering expense.....	541 81
	\$3,756 40

Respectfully submitted,

FRANK E. PRESSEY,

City Engineer.

Report of the City Missionary

To His Honor, the Mayor, and Members of the City Council:

I herewith submit my report for the municipal year 1914-15.

I have responded to 982 calls; provided transportation for 10 stranded individuals; took 2000 children on days outing; took 34 girls and children from undesirable surroundings to homes and institutions; procured work for 64 people.

The receipts have been as follows:

Fund.....	\$ 334 00
C. Dance.....	5 00
Hon. E. H. Blake.....	25 00
Elks.....	10 00
Gifts.....	22 00

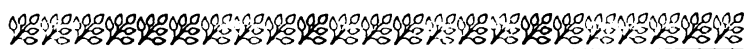
\$ 396 00

Have furnished medicine, food, clothing, fuel and bedding for those needing it.

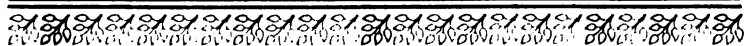
Respectfully submitted,

JENNIE M. JOHNSON,

City Missionary.



Report of the Overseers of the Poor



Report of Overseers of the Poor

BANGOR, ME., March 1, 1915.

*To His Honor the Mayor and Gentlemen of the City Council,
Bangor, Maine:*

The Overseer's of the Poor herewith submit their annual report.

RECEIPTS

Appropriation.....	\$ 22,700 00
Additional.....	6,622 84
Total appropriation.....	\$ 29,322 84
Total expenses.....	29,322 84
Revenue from State.....	4,602 99
Revenue from other cities and towns and other sources.....	4,626 52
	\$9,229 51
Net cost for outside help and running the City Farm.....	\$ 20,093 33.

JOHN T. KELLEHER

JAMES GIBBONS

J. FRED SHEEHAN, Sec.

Itemized List of Expenditures

General Administration:

Salaries and expenses.....		\$1,397 51
Salaries.....		\$1,282 97
Office expense.....		110 04
Atlantic Express Co.....	\$ 75	
Bacon, John H., Ptg. orders.....	2 00	
Bangor Co-Operative Ptg., Co., printing.....	3 75	
Bass, J. P. Pub. Co., advertising.....	2 25	
Cutter, L. W., index box.....	1 93	
Donham, G. M., state register.....	2 00	
Gibbons, James, stamps.....	1 00	
Glass, C. H. & Co., tags and cards.....	1 00	
Library Bureau, books and cards.....	28 95	
New England Tel. & Tel. Co.....	46 95	
Overseers of the Poor, stamps, etc.....	15 75	
Sullivan, Dan. T. office supplies.....	2 80	
Supply Dept., supplies.....	91	
Due from Treasurer.....		\$ 4 50
City Treasurer, overpaid City Treasurer.....	\$ 4 50	
Almshouse.....		\$18,355 19
Salaries and wages.....		\$4,775 81
Groceries and provisions.....		4,396 58
Armour & Co.....	\$ 819 59	
Bangor Egg Co.....	7 75	
Cassidy, John Co.....	593 80	
Caverly Plumer Co.....	72 00	
Chapin, Arthur Co.....	696 35	
Cudahy Packing Co.....	41 50	
Dunning, Herbert A.....	9 80	
Echo Farms Co., canning string beans.....	14 40	

Fleischmann Co.	28 58	
Foster, Frank F.	15 68	
Gallagher, C. P.	54 20	
Gallagher, T. F.	540 79	
Hall, F. T. & Co.	8 16	
Hewes, E. E.	10 20	
Hopkins, A. R. Co.	26 25	
Holick's Malted Milk Co.	8 00	
Jones, Alfred Sons.	333 87	
Joy, A. W. Co.	81 01	
Martini, Paul.	1 80	
Murray Bros.	140 03	
National Biscuit Co.	43 10	
Oriental Tea Co.	101 40	
Rice, C. H. & Co.	18 14	
Savage, T. R. & Co.	293 19	
Sulzberger & Sons Co.	19 80	
Sweet, Caldwell Co., extracts for flavoring.	6 05	
Swift & Co.	247 69	
Towle, J. N. & Co.	11 00	
Wescott, Geo. I. & Son.	152 45	
Fuel.		\$2,322 59
Goldthwait, John, wood.	\$ 20 00	
Hincks Coal Co., coal.	300 04	
Maine Central R. R. Co., freight on car of edgings.	13 50	
Perkins & Danforth, car of green edgings.	\$30 00	
Sterns Lumber Co., wood.	1,457 19	
Woodman, J. F. & Co., coal.	501 86	
Dry goods and clothing.		\$ 680 69
Adams Dry Goods Co., dry goods.	\$ 132 60	
Beckman, The Co., dry goods.	12 70	
Benson & Miller, cotton damask.	2 00	
Clark, John T. & Co., clothing.	22 63	
Cohen, Simon, clothing.	21 14	
Hale, C. B. & Co., dry goods.	8 60	
Hodgkins & Fiske Co., dry goods.	85 32	
Meyer, John C. & Co., thread.	7 50	

New York Syndicate, clothing.....	125 12	
Robinson, J. A. & Co., clothing.....	9 50	
Standard Clothing Co., clothing.....	5 00	
Waterman, J. Co., clothing.....	3 75	
Wood & Ewer Co., clothing and dry goods.....	244 83	
Special Medical attendance.....		\$ 58 75
Brown, Dr. E. E.....	\$ 2 00	
Howes, Dr. L. M., operation at City Farm.....	20 00	
King, Dr. H. A.....	3 00	
Milliken, Dr. H. J., operation at City Farm.....	25 00	
Woods, J. B., glasses, professional service.....	8 75	
Grain and feed.....		\$1,607 78
Brastow, F. H. & Son, corn.....	\$ 23 50	
Brown & White Co., feed.....	30 00	
Dunning, R. B. & Co., grain.....	2 25	
Eastern Grain Co., grain.....	112 75	
Frey Bros., waste.....	250 70	
Hewes, E. E., feed.....	4 30	
Hopkins, A. R. Co., grain.....	74 30	
Jennison, W. A., grain.....	90 75	
Thaxter, A. H. Co., grain and feed.....	101 98	
Towle, J. N. & Co., grain.....	917 25	
Livestock.....		\$ 410 00
Fire Dept., pair of horses.....	\$ 275 00	
Garland, C. L., 1 Holstein cow.....	75 00	
Weiler, Earl, 1 cow.....	60 00	
Medicine.....		\$ 574 91
Frawley, John P., prescription.....	\$ 1 40	
Revere Distilling Co., whiskey.....	123 82	
Snow & Nealley Co., medicine.....	4 00	
Sweet, Caldwell Co., medicine.....	445 69	
Boots and shoes.....		\$ 166 95
Arnold, J. M. Shoe Co.....	38 36	
Cohen, Simon.....	13 20	

New York Syndicate.....	22 08	
Sawyer Boot & Shoe Co.....	83 31	
Sheehan, W. A.....	10 00	
Material and repairs.....		\$1,351 31
Acme Mfg. Co., repairs.....	\$ 3 50	
American Express Co., express.....	85	
Atkins Bros. & Co., wall paper.....	3 46	
Bragg, N. H. & Sons.....	5 39	
Brown & White Co., repairs.....	10 53	
Cutter, Leslie W., repairs.....	4 50	
Dean Steam Pump Co., repairs.....	12 18	
DeCosta, F. L., repairs to building.....	92 05	
Dickey, W. P. & Co., material.....	17 76	
Dugan, P. T. & Co., bags, taps, etc.....	15 25	
Dunham-Hanson Co., raw oil, hardware.....	7 05	
Dunning, R. B. & Co., repairs.....	326 41	
Electric Dept., repairs.....	24 66	
Fessenden, C. P., repairs.....	50 00	
Haynes & Chalmers Co., hen wire, etc.....	21 46	
Holstein-Friesian Reg. Co., repairs.....	1 25	
Kelley, Andrew Carriage Co., repairs to equipment.....	4 50	
Kendall-Winch Co., repairs.....	5 00	
Knowles & Dow Co., repairs.....	9 06	
Lewis, H. R. & Co., repairs.....	26 50	
Lynch, M. & Co., repairs.....	90	
Madden, M. J. Harness Co., repairs and horse blankets.....	5 95	
Maine Central R. R. Co., freight on material.....	75	
Mayo, B. W., repairs, plumbing.....	21 17	
McKenney, Galen, filing saws.....	60	
Moore, Harry A., welding a gear.....	1 25	
Morse & Co., material.....	28 73	
Noyes & Nutter Mfg. Co., sink.....	6 50	
Parkhurst, J. F. & Son Co.....	7 31	
Penobscot Machinery Co., repairs.....	2 16	
Pfaff, Adolf, repairing clock.....	75	
Reid, Geo. W., repairs.....	4 74	
Reilly, R. J., Roofing Co., repairs.....	1 92	

Rice & Miller Co., repairs.....	61 46	
Schwartz, M. Sons, repairs.....	9 39	
Snow & Nealley Co., material.....	2 69	
Special Fund for repairing almshouse.....	340 27	
Sterns Lumber Co., lumber.....	9 15	
Thompson, E. B. Co., repairs and material.....	24 90	
Thoms, H. B., repairs to equipment.....	28 10	
Welch, C. E., horseshoeing and repairs.....	128 05	
Wood & Bishop Co., repairs.....	55	
Woodman, C. Co., lumber.....	22 66	
Conveyance.....		\$ 21 75
Alexander, Fred D., carriage.....	\$ 1 00	
Eastern Maine Gen'l Hospital, ambulance.....	11 50	
Kane, Michael, carriage.....	3 00	
McTigue, John, carriage.....	5 75	
Overseers of the Poor, carriage.....	50	
Veterinary.....		\$ 20 00
Dwinal, C. Frank.....	\$ 2 50	
Murch, A. L.....	12 50	
Strout, M. E.....	5 00	
Dishes and material for household use, etc.....		\$ 456 22
Armour & Co., soap, etc.....	\$ 76 99	
Bangor Broom Co., brooms.....	7 80	
Bangor Mattress Co., 2 mattresses.....	8 25	
Brown & White Co., brooms and salt.....	2 10	
Conant, C. M. Co., lamp and bracket.....	1 26	
Cudahy Packing Co., soap polish.....	12 00	
Dunham-Hanson Co., appleparer.....	60	
Dunning, R. B. & Co., wringer.....	1 50	
Eastern S. S. Corpn., freight on towels, etc.....	35	
Hodgkins & Fiske Co., oil cloth and enamel cloth..	16 29	
Lewis, H. R. & Co., 1 Glenwood range, pipe, etc..	153 28	
Noyes & Nutter Mfg. Co., spoons and knives.....	4 22	
Swift & Co., soap.....	27 50	
Vose, P. H. & Co., dishes, etc.....	103 23	
West Disinfecting Co., towels.....	40 85	

Fire protection		\$ 151 00
Hardy, J. M.	151 00	
Seed		\$ 115 48
Dunning, R. B. & Co.	\$ 115 48	
Equipment		\$ 263 72
Haynes & Chalmers Co., 2 lawn mowers	\$ 11 50	
Highway Dept., 1 set harness	18 00	
International Harvester Co., 1 low down spreader	87 42	
Knowles & Dow Co., sprayer, etc.	19 75	
Madden, M. J. Harness Co., harness	63 40	
Mason, W. S., 1 wheel jack	3 00	
Thompson, E. B. Co., lawn mower, wheel barrows, etc	60 65	
Fertilizer		\$ 440 05
Fire Dept.	\$ 44 00	
Highway Dept.	125 00	
Littlefield, J. E.	61 80	
Morison Bros	209 25	
Disinfectants		\$ 327 50
Dolge, C. B. Co.	\$ 9 50	
Dunning, R. B. & Co.	15 00	
Orient Spray Co.	50 00	
West Disinfecting Co.	212 40	
Worrall Mfg. Co.	40 00	
All other		\$ 214 10
Bangor Co-Operative Ptg. Co., Stamped envelopes	\$ 11 75	
Bangor Publishing Co., advertising	8 00	
Bangor Window & Sign Cleaning Co., rent of vacuum machine	1 00	
Bass, J. P. Pub. Co., advertising	1 68	
Bean, W. A., killing hogs	7 00	
Berry & Smith, wagon cover	2 25	
Chase, A. L., services of interpreter	5 00	
City Treasurer, express bills, registering cows, etc.	9 06	
Conant, C. M. Co., felts for incubator	1 50	

Curtis, James, ice.....	14 64	
Dugan, P. T. & Co.....	2 50	
Earle, W. H., rubber stamp.....	60	
Elliott, H. E. Est., rent of pasture.....	20 00	
Engel, Wm. & Co., sawdust.....	6 00	
Erickson, E. H. Art. Limb Co., supplies.....	1 80	
Farms, The Beverly, 100 chickens.....	15 00	
Finnegan Bros., burial of two paupers.....	38 00	
Gallagher, T. F., fly paper.....	05	
Garland, C. L., glasses.....	1 00	
Hughes, M., use of teams.....	18 00	
Kelleher, J. T., burial of pauper.....	15 00	
Maine Central R. R. Co., demurrage and freight..	2 35	
New England Tel. & Tel. Co.....	7 50	
Snow & Nealley Co., oil.....	50	
Sterns Lumber Co., sawdust.....	2 00	
Standard Oil Co. of N. Y., oil.....	13 99	
Sullivan, Dan T., tablets, etc.....	2 45	
Supply Dept., pencils.....	14	
Utterback-Gleason Co., currycomb, brush, etc....	5 34	
Outside relief by City.....		\$8,387 60
Groceries and provisions.....		\$5,267 07
Anderson, A. F.....	\$ 110 00	
Chapman, Geo. A.....	119 98	
Clark, Chas. E.....	10 00	
Drummond, F. H.....	80 00	
Fickett, F. H.....	7 20	
Fleming, J. F.....	473 00	
Foley, J. E. Co.....	245 00	
Fox, Elmer R.....	29 93	
Frank, F. L. & Co.....	25 00	
Gallagher, T. F.....	118 00	
Heal, Fred L.....	5 00	
Hickson, R. Sons.....	627 00	
Jellison, H. E.....	115 00	
Jones, F. L. & Co.....	12 57	
Jones, F. S. & Co.....	362 00	
Kane, A. H.....	35 00	

Jordan, R. C.	82 00	
Joy, A. W. Co.	44 40	
Lord Bros.	63 50	
McDonald, H. E.	5 00	
McGrath, D. J.	684 75	
Matheson, W. D.	397 99	
Mann & Spencer.	20 00	
O'Connell Bros.	85 00	
Peterson, C. H.	55 00	
Piper, E. F.	285 00	
Ray & Stevenson.	15 00	
Robinson, S. H. & Son.	478 00	
Savage, T. R. Co.	9 25	
Spencer, E. F.	154 00	
Staples & Griffin.	157 00	
State Street Bakery.	1 50	
Thornton, J. D.	5 00	
Whitman, N. H.	13 00	
White, W. F.	115 00	
White, T.	12 00	
Willis, Forrest.	180 00	
Wilde, E. W.	30 00	
Fuel.		\$ 91 00
Brooks, Emma L.	50	
Charity Dept., transfer from City Farm.	90 50	
Dry Goods, clothing, boots and shoes.		\$ 884 71
Arnold, J. M. Shoe Co., boots and shoes.	2 07	
Besse, Ashworth Co., sweater.	1 98	
Brooks, Emma L., clothing.	50	
Buck, E. A. & Co., shoes.	1 75	
Cohen, Simon, clothing, boots and shoes.	192 88	
Connors, John Shoe Co., shoes.	2 00	
Freese, A. Langdon, clothing.	99 52	
Hale, C. B. & Co., clothing.	18 72	
Robinson, James A. & Co., clothing.	8 50	
Sawyer Boot & Shoe Co., boots and shoes.	511 28	
Standard Clothing Co., clothing.	42 09	
Taylor, E. R., clothing.	3 42	

Medical attendance and medicine.....		\$ 345 00
Brooks, Emma L., medicine.....	\$ 5 50	
Brown, Dr. A. A.....	27 00	
Bryant, Dr. B. L.....	3 00	
Clough, Dr. H. T.....	4 50	
Curtis & Tupper, medicine.....	1 30	
Eastern Maine Gen'l Hospital.....	38 57	
Howes, Dr. L. M.....	20 00	
King, Dr. H. A.....	18 00	
Mason, Dr. L. S.....	3 00	
Mason, Dr. W. S.....	3 00	
McCann, Dr. Daniel.....	3 00	
McNally, Dr. W. P.....	3 00	
Milliken, Dr. H. J.....	26 00	
Sanger, Dr. E. B.....	22 00	
Sweet, Caldwell Co., medicine.....	141 83	
Thomas, Mrs. Edith, medicine.....	30	
Woods, Dr. J. B.....	25 00	

Rent.....		\$ 320 18
Elias, O.....	\$ 40 00	
Jacobs, Abraham.....	5 00	
Jacobs, Miss Bessie.....	42 00	
Kominsky, Mrs. Sarah.....	55 00	
Parkhurst, J. F. & Son Co.....	60 00	
Rich, Joe.....	21 75	
Sanborn, Mrs. Inez.....	20 43	
Siegal, Joseph.....	32 00	
Wallace, Samuel.....	44 00	

Board.....		\$ 899 60
Adams House.....	2 80	
Brooks, Emma L.....	292 39	
Cooper, Annie B.....	78 00	
Riley, Mrs. Vina.....	18 00	
Russell, Mrs. Wm.....	18 00	
Towle, Mattie.....	104 00	
Thomas, Mrs. Edith.....	70 00	
Thomas, John.....	42 50	

Winchester, C. E.	7 50	
Tracy, Mrs. Fred.	266 41	
Transportation.		\$ 365 47
Alberts, John.	2 25	
Alexander, F. A.	50	
Bangor Motor Co.	6 00	
Bennett, A. E.	1 00	
Eastern S. S. Corporation.	134 45	
Kane, Michael.	3 50	
Maine Central R. R. Co.	207 27	
McTigue, John.	4 50	
Quinn, Wm. J.	4 00	
Rosen, M. L.	2 00	
All other.		\$ 214 57
Brooks, Emma L., oil.	\$ 3 00	
Dugan, P. T. & Co., taps, etc.	7 07	
Hathorn, R. E., burial of paupers.	16 00	
Kelleher, J. T., burial of paupers.	102 00	
Lambert, Lillian, nursing.	8 00	
Mitchell, Dr. F. H., dentistry.	4 00	
Overseers of the Poor.	1 00	
Parkhurst, J. F. & Son Co.	50	
Pond, Galen S., burial of pauper.	19 00	
Reid, H. S., moving Mrs. Quinn.	2 00	
Savage, A. B.	4 00	
White, R. B., burial of pauper.	48 00	
Relief given by other cities and towns.		\$ 775 62
Provisions.		\$ 373 38
Bath, City of.	\$ 21 00	
Manchester, Town of.	304 98	
Rockland, City of.	30 95	
Unity, Town of.	16 45	
Fuel.		\$ 141 62
Farmington, Town of.	\$ 10 00	
Gardiner, City of.	7 50	

Manchester, Town of.....	111 42	
Rockland, City of.....	12 70	
Board.....		\$ 115 42
Fairfield Sanatorium.....	\$ 76 42	
Hermon, Town of.....	2 00	
Portland, City of.....	25 00	
Rockland, City of.....	12 00	
Medical attendance.....		\$ 19 50
Bath, City of.....	\$ 16 00	
Brewer, City of.....	3 50	
Rent.....		\$ 79 50
Gardiner, City of.....	\$ 31 00	
Manchester, Town of.....	48 50	
Burial.....		\$ 29 00
Kelleher, J. T.....	\$ 29 00	
All other.....		\$ 17 20
Manchester, Town of, moving.....	\$ 5 50	
Rockland, City of, boots and shoes.....	7 30	
Portland, City of, ticket, \$3.40, cash, \$1.00.....	4 40	
Other expenses.....		\$ 31 53
Other expenses.....		\$ 31 53
Bangor Co-Operative Ptg. Co., envelopes.....	2 50	
Bangor Publishing Co., advertising.....	2 40	
Cannon & Co., city directory.....	3 00	
New England Tel. & Tel. Co.....	18 95	
Overseers of the poor, postage.....	4 00	
Supply Dept.....	68	
City Physician's salary.....		\$ 375 89

List of Property at the City Farm March 1, 1915

NO. 1 BARN

16 sacks phosphate (Tennessee Brown Phosphate Rock)	1 hay tedder
1 2-horse hayrack	1 Deering reaper

NO. 2 BARN

1 covered carriage (old)	1 Robbins potato planter—in bad condition
2 mowing machines	
2 horse rakes	1 manure spreader—two (2) horse

NO. 3 BARN

14 sacks of fertilizer	1 Hoover potato digger—in very poor condition
50 tons hay (estimated)	

HERSEY FARM

15 tons hay	12 hens
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COW BARN

1 guide stick	1 long handle manure fork
7 electric light globes	6 hay forks
5 milking stools	2 rakes (wooden)
2 pails 10 and 16 qts.	2 hay grapple
2 horse brushes	1 hay knife
16 feed boxes	1 feed truck
1 long handle shovel	14 cows
1 wheel barrow	4 heifers
1 feed cutter	1 bull

PROVISIONS

3 bbl. salt pork	½ bbl. codfish
1½ bbl. vinegar	½ bbl. beans (mixed lot)
10 gal. catsup (Libby's)	2 boxes oleomargarine (60 lbs.)
35 gal. molasses	½ box stove blacking
1 bbl. crystal soda	4 bbls. flour

1 box mustard	$\frac{1}{2}$ bbl. sugar
1 box pepper	$\frac{1}{2}$ bbl. rock salt
5 cases canned string beans	1 bu. rice

WOOD SHED

15 cords prepared wood	1 hose reel
4 $\frac{1}{2}$ cords hardwood edging	1 rooler (1-horse)
1 electric motor and saw complete	2 wood racks (old)
1 two horse hayrack	1 pulverizer
1 one-horse hayrack	

OVER WOOD SHED

2 double wagon sleds	1 single straight runners
1 double straight runners	

BOILER ROOM

1 pail	1 manure fork
1 boiler	2 $\frac{1}{2}$ bu. baskets
1 pail	1 scoop shovel
1 ax	6 gal. pails
1 shovel, long handle	1 crowbar
1 shovel, short handle	1 hand hoe

PIGGERY, UNDER CAR BARN

1 white sow	1 mule foot sow
1 mule foot boar	1 Chester sow
12 shoats, black and white	1 Chester sow and 8 pigs
1 black shoat, mule foot	1 mule foot sow
1 Chester sow	1 Chester sow
1 Chester sow and 9 small pigs	

BROOD HOUSE

1 Chester sow and 8 pigs	2 wheel barrows
1 Chester sow and 11 pigs	1 swill tub
1 Chester sow	

TOOL HOUSE

2 hand hoes	1 two-horse jigger (Bangor)
3 potato hoes	1 two-horse jigger (Aroostook)

5 ice picks	1 spiketooth cultivator (one-horse)
2 lawn rakes	1 plow
50 ft. 1½ in. rope	1 step ladder
49 lbs. blue vitriol	1 cultivator (one-horse)
1 post hole scoop	1 spring tooth cultivator
1 grapple and block	2 manure forks
1 coil barbed wire	1 single jigger (1 horse)
3 hay snatter	1 extension ladder
1 hay scythe	4 pole yokes
1 hay grapple—or harpon fork	6 whiffle trees
1 spreader chain	2 dump carts
1 wagon jack	2 sets double sleds
2 house jacks	1 sleigh
1 wheel barrow	1 pung
2 cart wrenches	1 potato sprayer (very poor)

HORSE BARN

1 driving horse	4 small rolls tar paper
6 work horses	4 wagon wreches
1 light driving harness	1 open buggy
1 express driving harness	1 horse whip
7 head halters	1 wheel barrow
7 stable blankets	1 manure fork, short handle
2 manure forks	1 hand hoe
2 brushes	1 express wagon (2 seats)
1 card	1 square pointed shovel (short handle)
2 curry combs	1 spade
2 horse straps or belts	6 lawn mowers
1 box gall cure	1 pipe vice
1 can Dr. Daniels hoof ointment	2 silos
1 can Dr. Daniels hoof grower	1 Louden ensilage carrier
1 can Dr. Daniels cough syrup	5 wheelbarrow bodies
3 sets double harness	1 gal. lime sulphur solution
200 ft. 2½ ft. hose	1 one-peck measure
1 block and falls complete—fire hose	1 hay fork or grapple
1 hose reel	1 potato cutter (seed)
1 gal. tub	4 poultry crates

OVER VEGETABLE CELLAR

1 cider press	1 long handle hay fork
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VEGETABLE CELLAR

8 jars for packing eggs	300 bu. potatoes
10 bu. carrots	5 bu. beets
6 bu. beets	1 stove
150 bu. turnips	1 bbl. cider vinegar

REPAIR SHOP

1 carpenters' chest	1 pruning knife
1 vise (bench iron)	1 cobbler's set of tools
1 mowing machine knife grinder	1 pair new sled runners
1 stove	1 extension ladder
1 wheel barrow	

HENERY

9 galv. pails	67 Plymouth Rocks
1 iron kettle	17 White Orpingtons
2 chairs	2 wheel barrows
151 white Leghorns	

Report of the Milk Inspector

To His Honor, the Mayor and Gentlemen of the City Council:

The past twenty years has seen a marked change in the attitude of the public towards milk and its relation to the public health, and this is especially true in the larger communities where drastic laws are in force, yet results are not all that could be desired. Nathan Straus, a pioneer in the pure milk movement, is at the present time advocating municipal control of the distribution of milk, and of universal pasteurization. Within the past few days, the Mayor of Boston recorded himself as strongly favoring pasteurization of all milk sold in that City, unless the product be certified.

Milk, as a general dietary, is in a class by itself, containing as it does all the essentials of a perfect food. The protéids, fats, carbohydrates, inorganic salts and water, are in proportions easily ingestible, digestible, and assimilable; hence its universal use for the sick, the convalescent and as a substitute for mother's milk in infant feeding. It is very evident that those most dependent on milk for a food, are less able to stand an impairment of its nutritive value.

Statistics showing the influence of impure milk on the duration of a sickness and on the death rate when used as a diet, are not available, but on the aged, infants, and those whose resistance has been greatly lowered, a highly contaminated or chemically deficient milk, must surely exert a deleterious influence. It has long been recognized that gastro-intestinal disease, is the greatest factor concerned in infant mortality, due in great part to poor milk or ignorance of proper methods of feeding. In the first year of life, a child consumes about five

hundred quarts of milk, so that in the bottle fed an exceptionally pure milk and a close imitation of human milk is necessary, if we wish to prevent infection and digestive disorders.

Milk as a distributor of disease has been under indictment since time immemorial. Epidemics of typhoid fever, scarlet fever, diphtheria and septic sore throats have been thoroughly investigated in some of the larger cities and very frequently traced to the milk supply. In most instances those with the disease were found handling the milk or one combining the duties of nurse and dairy assistant. The return of unsterilized bottles from homes wherein disease existed is another proven source of contamination.

Most of the pathogenic bacteria which so frequently find their way into milk, grow very slowly unless the milk be kept at or above body temperature and low temperatures inhibits their growth. Hence the custom of rapid cooling and iceing at all well ordered dairies.

The rational municipal control of water supplies has practically eliminated typhoid fever, yet we have in milk a much more prolific distributor of disease and of not one disease but of several. Most serious of all these is tuberculosis. At a hearing in Massachusetts last week, it was declared that fully 25% of tubercular cripples, owe their condition to the ingestion of tubercular milk.

The examination of the quality of milk distributed in this city has in the past been allotted to State officials. During the past year they collected and reported on thirty-five samples; of these, twenty-five were found dirty or below standard or both. This is surely a high percentage for a community of this size and wealth. The city inspector has collected one hundred and seven samples and found fifty-nine of these dirty or below standard. These were bought from carts, restaurants and

grocery stores and some were submitted by citizens. Those samples taken directly from carts seldom fell below standard chemically, but many obtained at grocery stores and restaurants were watered.

Most of the farms were visited during the past year and several where improvements were suggested were visited until such improvements were carried out. Attention was given to the location of wells and in one instance a report on the water from The State Laboratory of Hygiene showed it to be absolutely unfit for domestic purposes.

The above statistics are somewhat alarming and that we have been spared the visitation of milk borne epidemics seems to have been in spite of rather than because of efficient supervision. We have had about seven years of dairy inspection alone and the work has been in capable hands, yet our milk continues to contain an abnormal amount of dirt. It would therefore seem advisable to consider the adoption of joint inspection, insuring frequent examinations of the milk and the regular inspection of the farms. I am certain that many of the milk producers who have invested considerable amounts in bringing their plants to a high standard would welcome some change. There are a number of men distributing milk in Bangor whose product is almost the certified article. Several have installed milking machines and most of the dealers are earnestly endeavoring to deliver a clean, wholesome and standard product.

The writer is firmly convinced that this city receives, on the whole, a better quality of milk, than most cities of like size. Our isolation insures prompt delivery and watered and skimmed milk is comparatively rare. With the elimination of dirt from the supplies by careful handling, etc., we could well boast of our milk.

H. F. QUINN, M. D.,
Milk Inspector.

Report of the Park Commissioners

BANGOR, MAINE, March 15, 1915.

To His Honor, the Mayor, and City Council:

Gentlemen: We hereby submit our annual report for the years 1914-1915.

Amount of appropriation \$4,000 and additional \$500 for the extermination of brown-tail moth nests.

During the past year we have set out three hundred thirty-two (332) trees and three hundred fifteen (315) shrubs of various kinds. The most of these trees were Norway maple, and in a few years will be of good size and will be a big improvement to the parts of the city where they have been planted.

The past year has been a very busy one for this department, and considering the small appropriation and the fact that we had a balance of \$4.52 left over, shows what can be done when you are compelled to keep inside of a certain amount.

All the tools used in this department are in good condition and not a very large sum will have to be expended for new ones during the coming season.

One of the things we would like to do this year is start laying out some concrete walks in some of the various parks. The gravel used for this work is washed away and when it is loose the people refuse to walk on it, and it causes the grass on either side to be trampled down and makes a very bad appearance.

The pool in Chapin Park is in bad shape and will have to be repaired as usual.

The fountain in Davenport Park is still out of commission and ought to be fixed.

The most of the city trees are in good shape, but some of them will have to be cut down and others will be bolted. This forestry expense all comes out of the park appropriation and we would recommend that an appropriation for this work be separately made.

Something ought to be done on the new park in the Little City and we would recommend that this be taken into consideration when the appropriation is made.

Fairmount Park is growing to be one of our beauty spots and being surrounded by some of the best residences in the city makes this all the more valuable. We would like to have one of the streets, Graham Avenue, that cuts this park in two, discontinued and will try to have it done in the near future.

There are fourteen (14) parks in this city and the labor is the largest item of expense to the department.

We would suggest that as Chapin Park is the only one that has a flag staff that it would not be a bad idea to have one in some of the larger parks of the city.

In closing we wish to thank your honorable body and City Solicitor Blanchard for favors and advice given this board.

Respectfully submitted,

PARK COMMISSIONERS,

ASHLEY B. WOOD, Sec.



Report of the Schools



SCHOOL BOARD

PRESCOTT H. VOSE.....Term expires March, 1916
GEORGE W. WESCOTT.....Term expires March, 1916
ABRAM L. KIRSTEIN.....Term expires March, 1917
DANIEL McCANN, M. D.....Term expires March, 1918
C. PARKER CROWELL.....Term expires March, 1918

Officers of the Board

PRESCOTT H. VOSE, Chairman
D. LYMAN WORMWOOD, Secretary

Regular meeting of the School Board, the second Tuesday of each month
at 7.30 p. m.

Superintendent of Schools

D. LYMAN WORMWOOD
AGNES N. TAYLOR, Clerk

School Agent

GEORGE W. CLUFF

Truant Officer

GEORGE W. CLUFF

Office of the Superintendent of Schools—Room 106, High School Building.
Office is open from 8 o'clock a. m. to 11.30 a. m. and from 2 p. m. to 5
p. m.
Office hours of the Superintendent—School days: 8 to 9 a. m. and 4 to
5 p. m. Saturdays—10 to 11 a. m.

Office of the School Agent—Room 104 High School Building
Office hours—8 to 9 a. m. and 4 to 5 p. m.

CALENDAR

Fall term begins Sept. 13, 1915
Winter term begins Jan. 3, 1916
Spring term begins April 10, 1916
Fall term ends Dec. 17, 1915
Winter term ends Mar. 24, 1916.
Spring term ends June 16, 1916

JUNIOR EXHIBITION
OF THE
JUNIOR CLASS OF THE HIGH SCHOOL
CITY HALL, BANGOR, MAINE
Friday Evening, March 26, 1915

PROGRAM

<i>Brahms</i>	High School Orchestra	Hungarian Dance No. 2
<i>Henry W. Grady</i>	Edward W. Whalen	The New South
<i>Myrtle Reed</i>	Ruth B. Sullivan	Parliamentary Law
<i>Jules Verne</i>	Richard MacWilliams	Michael Strogoff
<i>Costa</i>	Chorus	Damascus Triumphal March
<i>Anonymous</i>	Mildred Brackett	Laddie
<i>Alexander Dumas</i>	Malcolm Webster	An Imperial Secret
<i>Recker-Lorraine</i>	High School Orchestra	Dance of the Goblins
<i>Richard B. Sheridan</i>	Grace E. Mathews	Sir Peter and Lady Teazle
<i>Patrick Henry</i>	C. Freeman Olsen	Call to Arms

*Shakespeare*Balcony Scene from Romeo and Juliet
Marguerite C. Allen*Ofenbach*

Chorus

Barcarolle

*Anonymous*Beethoven's Moonlight Sonata
Michael J. Ryan*Anonymous*"Sockery" Setting a Hen
Marguerite J. Tibbetts*Richard Eilenberg*The Guardmount
High School Orchestra

HIGH SCHOOL ORCHESTRA

First Violins

Stanley Cayting
James McCann
James Chilcott
Roland Gray
Melville Craig
Frances Flannigan
Marguerite Tibbetts

Second Violins

Dorothy Harvey
Jessie Newcomb
Hazel Robinson
Ethel Rideout
Grace Carver
Eleanor Christenson
Lulu Graham
James Pennell
James Mitchell
Francis Kanaley
Russell Whittemore
John Manchester

Cello

Vivian Johnson

Dorothy Allen

Clarinet: Harry Littlefield

Cornets

George Thompson

Alfred Frawley

Trombone: Maurice King

Piano: Louise Cousins

REPORT OF The Superintending School Committee

BANGOR, MAINE, June 18 1915.

To His Honor the Mayor, and the City Council of Bangor:

The Superintending School Committee begs leave to submit its annual report upon the work of the schools during the past year.

The results of the year's work and the general conditions of efficiency that prevail in all departments will maintain the reputation that Bangor Schools have for many years enjoyed.

Mr. D. Lyman Wormwood has been re-elected as Superintendent of Schools for the coming year.

The High School is doing excellent work and is showing a rapid and steady increase in numbers. This increase from approximately 682, the previous year, to 762, this last year, again vindicates the judgment of the Building Committee that had its designing and construction in charge, in adopting plans that provided for a much larger school than had ever previously been enrolled. The six different courses offered in this school give ample opportunity for the pupil to obtain liberal training for whatever career lies before him. This year's graduation class is the largest in the history of the institution and full confidence is felt that these pupils will acquire themselves in a way to reflect credit upon themselves and upon the school.

The work of the grammar and primary grades has been fully up to the high standards of previous years and the excellent ranks of the large number graduating from the ninth grade do credit to the pupils and the teachers.

The rural schools are all doing excellent work and it is much more difficult, perhaps, to attain a high degree of excellence here under the conditions than in the graded city schools. Teachers and pupils are evidently interested and doing hard work.

The Kindergartens are full to overflowing and this department would have a much larger enrollment were the facilities provided. Bangor Kindergartens have for years maintained a grade of work far above the average kindergarten and with this high standard still kept up they are of great benefit to the children in entering the grades.

The whole number registered the past year was as follows:

High School.....	771
Graded Schools.....	3096
Rural Schools.....	267
Kindergartens.....	344

4478

The most important and costly item in the repair work was that done on the Valentine building. Here the hot air furnaces, which had proved entirely inadequate to heat the building were taken out and a steam heating system with two boilers of ample capacity was installed. A fire escape was also added to this building and the rooms and corridors were kalsomined.

The Center Street building has been painted outside and the walls kalsomined.

In the Abraham Lincoln building the wood work has been varnished.

At the Hannibal Hamlin building new desks and seats have

been provided in three rooms and new slate blackboards have been installed throughout the building.

The Bagley building has had new desks and seats, new blackboards and has been painted and kalsomined.

More or less important repairs and re-furnishing have also been done at Longfellow, Elm Street, Larkin Street, State Street, Pearl Street, Allen Street, Crosbyville, Third Street, Sherburne, Central, Fuller, Mount Hope and Hillside buildings.

At many of the schools the fences are either entirely destroyed or badly dilapidated and these should be put in order this year.

The need of new buildings in the upper Hammond and upper Center Street sections is growing more apparent and it is in our opinion imperatively necessary that you at least provide for the future by securing the necessary land for this purpose while it may be had. These districts are building up so rapidly that it will soon be difficult or impossible to obtain tracts large enough for school purposes.

At the New High School Building retaining walls should be built on the Spring Street line; the lot on the rear should be graded and terraced and a suitable sidewalk should be laid. These necessary improvements to this important building should be made at once.

Our teachers are doing conscientious and efficient work for salaries that are smaller than should be paid for the quality and amount of work done, and we would recommend that as soon as it is financially practicable the appropriation for teachers' salaries be enlarged to enable an increase throughout all the departments.

A report of the expenditures of the department for the year and estimates for the cost of operating the schools for the coming year are attached herewith.

You are referred to the report of the Superintendent of

Schools, the Principal of the High School and the Grammar Schools, the Director of the Kindergartens and the School Agent for details of the work.

Respectfully submitted,

PRESCOTT H. VOSE

C. PARKER CROWELL

GEO. W. WESCOTT

DANIEL McCANN

ABRAM L. KIRSTEIN

Superintending School Committee.

Estimate for the Year 1915-16

General Administration:

a. Committee, Supt., Med. Ins. Clerk.....	\$4,400 00	
b. Office supplies	250 00	
		\$ 4,650 00

Teachers' Salaries:

a. High School.....	28,750 00	
b. Common Schools.....	68,800 00	
		\$ 97,550 00

Text Books and supplies..... 8,000 00

Janitors' Services:

a. High School.....	5,560 00	
b. Common Schools.....	5,650 00	
		\$ 11,210 00

Fuel:

a. High School.....	3,500 00	
b. Common Schools.....	6,500 00	
		\$ 10,000 00

Maintenance and repairs (estimated)..... 8,000 00

Manual Training & Domestic Science:

a. Manual Training (supplies)	800 00	
b. Domestic Science (supplies)	500 00	
c. Additional sum for new machine, (mach. room).....	550 00	
		\$ 1,850 00

Night School:

a. Teachers' Salaries.....	400 00	
b. Supplies	200 00	
		600 00

Incidental..... 1,800 00

a. Insurance..... 1,000 00

b. Telephone..... 200 00

Conveyance..... 550 00

Water for schools (drinking cups)..... 200 00

Total Amt. needed for school year 1915-1916 **\$145,610 00**

From the State (Approx)	\$57,550 00	
Tuition, heating library, supplies, etc.....	3,500 00	
		\$ 61,050 00
To be raised by City.....	\$ 84,560 00	
(Providing no change is made in the amount received from the State.)		
N. B. Truant Officer and Agent's salary not included.		

TOTAL EXPENDITURES FOR THE YEAR

1914-1915

C. S. Teachers' Pay Roll	\$70,407 16	
H. S. Teachers' Pay Roll	24,489 30	
		\$ 94,896 46
C. S. Fuel	\$6,380 83	
H. S. Fuel	3,270 75	
		\$ 9,651 58
Night School Pay Roll		398 25
C. S. Janitor's Pay Roll	\$5,697 39	
H. S. Janitor's Pay Roll	5,301 42	
		\$ 10,998 81
Conveyance	\$ 448 00	\$ 448 00
C. S. Books	\$1,845 96	
H. S. Books	1,733 33	
		\$ 3,579 29
C. S. Supplies	\$2,586 52	
H. S. Supplies	1,998 21	
		\$4,584 73
Domestic Science	\$ 500 06	\$ 500 06
Manual Training	\$ 778 06	\$ 778 06
Telephone	\$ 172 88	\$ 172 88
Insurance	\$ 415 52	\$ 415 52
Miscellaneous, C. S.	\$1,219 12	
Miscellaneous, H. S.	467 02	
		\$ 1,686 14

1915]	CITY OF BANGOR	421
Repairs		\$ 10,220 46
Water		385 51
Library, H. S.		636 11
Total amount for year 1914-1915		<u>\$139,351 86</u>
Appropriation and Credits for 1914-1915		\$141,147 91

AMOUNT EXPENDED

For teachers	\$94,896 46	
Night School Pay Roll	398 25	
Fuel	9,651 58	
Janitors	10,998 81	
Conveyance	448 00	
Books	3,579 29	
Library, H. S.	636 11	
Supplies	4,584 73	
Domestic Science	500 06	
Manual Training	778 06	
Telephone	172 88	
Insurance	415 52	
Miscellaneous	1,686 14	
Water	385 51	
		<u>\$129,131 40</u>
Repairs		10,220 46
Office Expenses, include Medical Inspectors		4,034 38
		<u>\$143,386 24</u>
Total		2,238 33
Amount Overdrawn		

CREDITS 1914-1915

Raised by City (Appropriation) less Agent's Salary	\$136,700 00
Received from Tuition, Books, etc	3,811 80
Library Fund	636 11
	<u>\$141,147 91</u>
Total credits	

AMOUNT SPENT FOR YEAR
1914-1915
(13 Months)

Fuel:

High School	\$ 3,749 27	
Common schools	6,776 05	
		\$ 10,525 32

Teachers' Pay Roll:

High School	\$ 25,913 22	
Common Schools	74,355 67	
		\$100,268 89

Night School Pay Roll	444 75	444 75
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Janitor's Pay Roll:

High School	\$ 5,517 75	
Common Schools	5,930 64	
		\$11,448 39

Books:

High School	\$ 1,884 57	
Common Schools	1,923 93	
		\$ 3,808 50

Supplies:

High School	\$ 2,113 65	
Common Schools	2,646 17	
		\$ 4,759 82

Manual Training	847 02	
Domestic Science	549 45	
		\$ 1,396 47

Incidentals:

H. S. Telephone	\$ 87 39	
C. S. Telephone	97 17	
		\$184 56
C. S. Miscellaneous	\$1,434 16	
H. S. Miscellaneous	483 36	
		\$ 1,917 52
		\$ 2,102 08

1915]	CITY OF BANGOR	423
Conveyance.....	448 00	448 00
Insurance.....	438 92	438 92
Library.....	636 11	636 11
Water.....	385 51	385 51
Repairs.....	10,413 80	10,413 80
	\$147,076 56	\$147,076 56
Administration.....		\$ 4,034 38
Total Amount Expended, 13 months.		\$151,110 94
Total Amount Received.....		141,147 91
Overdrawn.....		\$ 9,963 03
This brings all accounts up to March, 1915.		

Report of the Trustees of the French Medal Fund

To the City Council:

Gentlemen:—The following awards of the C. E. French Medals were made for the school year 1914-1915.

HIGH SCHOOL

Scholarship: F. Velzora Withee

Dorothy E. Harvey

Essay: Lora E. Blanding

Robert A. Patterson

Declamation: Marguerite C. Allen

Richard MacWilliams

Stenography and Typewriting: Charles M. Brady

ABRAHAM LINCOLN SCHOOL

Hazel Louise Reed

Agnes B. C. Olsen

Frances Arnold

HANNIBAL HAMLIN SCHOOL

Mary H. Gregory

S. Alice Graham

Josephine M. Gartley

RURAL

Mary J. Shannon

DANIEL McCANN

PRESCOTT H. VOSE

A. L. KIRSTEIN

C. PARKER CROWELL

GEORGE W. WESCOTT

Trustees.

THE FRENCH MEDALS

For Scholarship

A medal will be given to the member of the graduating class who has attained the highest rank in scholarship throughout the four years' course, and to the one who has attained the next highest rank.

For Graduating Essays

Medals will be given to the girl and the boy in the graduating class who present the best essay.

Stenography and Typewriting

A medal will be given to the member of the graduating class who excels in stenography and typewriting, the result to be determined by competitive examination.

Declamation

Medals will be given to a girl and a boy in the Junior Class for excellence in declamation at the Junior exhibition.

In no case shall two medals be awarded the same pupil.

No pupil, who has not been a member of the school for four years, shall receive a Senior medal.

No pupil, who has not been a member of the school for three years, shall receive a Junior medal.

No pupil, whose scholarship or deportment has been unsatisfactory, shall receive a medal.

For Scholarship

One medal will be given in each 9th grade room for the highest rank in scholarship throughout the four years in the grammar grades. Also one medal will be given each year in the 9th grade rural schools.

REPORT OF The Superintendent of Schools

To the Superintending School Committee, Bangor, Maine:

Gentlemen:—I have the honor to submit for your consideration the twenty-fifth annual report, in the series, of the Superintendent of Schools, for the school year ending July 1, 1915. This is the third report by the present Superintendent.

The arrangement of this report follows the precedent of recent years. Frank treatment is given matters of general interest which pertain to the growth and development of our schools.

The usual reports of the supervisors and principals are presented. These describe, with more or less detail, the work that has been undertaken and accomplished in the schools in the different sections of this City and contain information which furnishes our citizens who have the welfare of the schools at heart a basis for serious thought.

Changes in the teaching corps during the past school year are as follows:

APPOINTMENTS

H. S.

Lee T. Gray
Stasia J. Scribner
Rachel A. Hall
George N. Varney
Benjamin C. Kent

RESIGNATIONS

H. S.

Arra L. Sutton Mixter

C. S.

Grace E. Gallagher
Lucie W. Preble
Mary E. Gallagher
Mollie B. Cullinan
Esther M. Curran
Mary A. Reilly
Mary E. Mooney
Margaret M. Moran
Alice J. Harvey
Ethel E. Harrigan
John W. S. Hodgdon

*Vacancy caused by death.

C. S.

Annie E. Hurley
*Charlotte M. Davenport
Lillian M. Buzzell
Blanche T. Edmunds
Inez Davis
Georgia C. McClench

HIGH SCHOOL

In a school as large as the Bangor High I feel sure we shall get the best results from teachers and pupils alike when we organize the various departments under definite heads. We have in this school teachers who are well fitted both in scholarship and in experience to take charge of these departments, under the careful supervision of the principal. Each department head should call together monthly all the teachers dealing with his subject. Right here let me recommend that the subjects be placed under fewer teachers, for we gain nothing and lose a great deal by not having the attention of our teachers concentrated. No teacher can do as good work when he or she has three or four totally unrelated subjects to prepare for the class room work. Considering the size of our classes and the large number of papers which most of our teachers correct, it can be easily seen that some of the preparation has to be slipshod. Of course, some will say there is a grave danger of

getting into ruts, but I firmly believe that the day of specialists is at hand—in school work as in every other line.

In the department meetings, then, the plans for carrying out the work should be discussed and in this way the viewpoint will be common and the goal the same, things which we have missed in the past.

Text books, too, and the latest reference books should be thoroughly discussed. Then the principal should approve the new plans and books, and they should be put into operation immediately.

It seems to me also that it is perfectly possible to re-organize the classes at the end of each quarter so that all pupils may be given a chance to do as much work as they can. For example: John and Mary who have the highest grades, and are very ambitious should not be forced to stay a whole year in a class with pupils who average a low D. The deadening effect of such a process is well known to observant teachers. To give as nearly as possible the maximum opportunity to all pupils should be the aim of every well organized school.

Criticism of the great number of slightly different courses offered in our High School, and the ease with which a pupil may change from one course to another has been brought to me from outside. I wish to state my position in this matter. Half year courses in any great number ought to be guarded against. Our high school students are not old enough to deal with a very free elective system, especially when so many parents leave the choice entirely with their children and with the school.

Another point worthy of greater consideration is the subject of Conference work in English. It is only by these personal conferences that the English teacher may be sure that the pupil is grasping the meaning of the corrections made in his

work. I should suggest that some arrangement be made—more teachers, if necessary,—in the English Department, so that each English teacher may have at least one period every day absolutely free for Conference work.

All these points I call to your attention as recommendations. A critical survey of the school by an educator of the state during the past year justifies me in making the above recommendations.

COMMON SCHOOLS

We hear a great deal among school men today about the 6-6 plan and the 6-3-3 plan or Junior High School. By the first we mean six grades in the Elementary and six in the High School; by the second, six in the Elementary, three in the Junior High, and three in the Senior High School. I am not yet convinced that such a plan is the best for our schools now. I shall rather recommend that we have the classes from the sixth grade up arranged according to scholarship, giving due consideration to the age of the pupil, his general health conditions and vital power to resist disease and fatigue, to habits in school attendance, study, and the performance of assigned work. Under this arrangement we should have three classes in each grade, including the three grades of students—Excellent, Good, Fair.

BOOKS

During the year there were few changes in the books. A few of the "Progressive Music Series" and the "Otis's Colonial Series" were introduced. These books are attractive and help to keep up the interest of the pupils. The schools are well supplied with books in good condition. I wish all the teachers would impress on their scholars the necessity of taking good care of their books.

THE NIGHT SCHOOL

In accordance with my recommendation last year an evening school was established by the unanimous vote of the School Board. Mr. Gray, Sub-master of the High School, was elected Principal, and he had a most efficient corps of teachers. The School was opened in the High School Building, Oct. 5, 1914.

One hundred and forty-six were registered and the average attendance was one hundred and eight. The work displayed at the close of the term was a great credit both to the scholars and the teachers in charge. A tribute to the success of the school was the enthusiasm with which the pupils urged that the school be continued next year. I should like to mention here the generosity of the School Board in furnishing an entertainment and refreshments for the enjoyment of the school and their friends one evening during the term. I hope another year that we can give this school the use of the Gymnasium once a week or once in two weeks, at least.

INCREASE IN WAGES

I have heard considerable agitation of the matter of increase in wages for the teachers. I desire to submit for your consideration the following plan which has already been discussed with the majority of the teachers, and has met with general approval.

It seems to me it would be advantageous to the pupils to lengthen the school year to thirty-eight weeks,—thus giving two more weeks in which to complete the year's work, as the time now given is rather crowded. In this way the teachers would get two extra weeks' pay on their yearly salaries, and the city would get actual value received for the money expended in the increase. If this meets with the approval of the Board I should suggest that we ask for an extra appropriation for this purpose another year.

LECTURE COURSE

A lecture course for the instruction of the teachers was given during the school year. It seems to me that before we can induce lecturers to come here and do their best we must have greater interest shown among the teaching force. I would urge every teacher to be present whenever in the future we may have a like opportunity.

The lecturers of this year's course with subjects are as follows:—

Prof. James L. McConaughy, Oct. 23, 1914. Subject—Development of Education in New England.

Prof. Frank D. Tubbs, Nov. 20, 1914. Subject—Among the Stars.

Prof. James S. Stevens, Dec. 17, 1914. Subject—Familiar Chemistry.

Dean W. E. Walz, Feb. 3, 1915. Subject—Law, Education, and Culture.

PARENT-TEACHERS' MEETINGS

The meetings arranged by the teachers for the parents, including papers by the teachers, exhibition of work done by the children and actual performance of some of the school routine, have proved very valuable. I hope that the plan may be continued.

MUSIC

The usefulness of the Victor-Victrola as used in the Abraham Lincoln school has demonstrated the necessity of having such machines in the different large school buildings. This machine can no longer be classified as a mere fad in school work. Through its use our pupils may be trained to appreciate the very best music and its interpretation. It may be used in connec-

tion with marching, physical exercises, folk dancing, and in the many games and plays in the primary grades. It seems to me that the City should pay part and the scholars pay the balance by getting up plays in the schools, limiting these plays to one each term.

SPECIAL TEACHERS

The music under Miss Littlefield has been most satisfactory. The orchestra has been increased and has furnished the music for many entertainments and lectures and, finally, for the first time in Bangor, for the graduating exercises of the High School. A High School Glee Club of mixed voices has been formed, and has done work which promises much for the future.

The exhibit of Drawing, arranged by the teacher, Miss Dealing, at the Teachers' County Convention, April 23, was a success, since it showed a uniformly high standard which was commended by those attending the convention.

In Penmanship we have had the same excellent results from the work of the pupils under Miss Alexander.

This year sees the completion of the first full year of work in Manual Training and Domestic Science, since the work of the previous year was delayed in the fall. I think every one of the hundreds of people who visited the exhibition just before the close of the school year can not but testify to the general excellence of the results.

We are very sorry to receive the resignation of Mrs. Arra Sutton Mixter, who for the past two years as head of the Domestic Science Department has been tireless in her efforts and a most conscientious worker and successful teacher.

DENTAL INSPECTION

I wish to say here that the best medical authorities ascribe to poor teeth a large part of our physical ills. Every child has

a right to protection in this respect and it is a community affair. A large percentage of our children either through neglect or because of financial inability are not properly cared for. It seems to me that the City should see to it that this work is done, and bear the expense when it can not be borne by the parents.

Much is expected and much is being done by the public schools. We surely know that progress does not come by leaps and bounds, but by steady, painstaking conscientious work.

In conclusion I wish to thank the School Committee for their support, the teachers for their loyalty and all the citizens for their generosity toward the schools.

I wish here to express my appreciation for the assistance rendered by our efficient School Agent.

Respectfully submitted,

D. LYMAN WORMWOOD.

Superintendent of Schools,

July 6, 1915.

Number of School Buildings in the City, 30

The High School, with an enrollment of 771 pupils, has:
Offices for the Superintendent of Schools
Offices for School Agent
Offices for the Principal
17 Class Rooms
6 Recitation Rooms
A Bookkeeping and Banking Room
A Stenography Room
A Typewriting Room
A Science Lecture Room, equipped with stereopticon
A Biology Laboratory
A Physiography Laboratory
A Chemical Laboratory
A Physics Laboratory
A Drawing Room for Mechanical Drawing
A Drawing Room for Freehand Drawing
2 Dark Rooms for Photography
1 Wood Working Room
1 Metal Working Room
1 Cooking Room with pantry and dining room connected
A Sewing Room
A Room for the grammar school Manual Training work
12 Storerooms
2 Teachers' Offices.
2 Teachers' Reception rooms
A Medical Room
A Library
A Lunch Room
2 Locker Rooms
2 Toilet Rooms
A Gymnasium with two dressing rooms adjoining
An Assembly Hall with two ante-rooms adjoining stage

EAST SIDE

Name of School	Number of Rooms	Number of Pupils
Abraham Lincoln.....	20	840
Center Street.....	4	184
Longfellow*.....	4	198
Elm Street*.....	4	198
State Street*.....	4	206
Forest Avenue.....	2	62
Pearl Street.....	2	83
Pearl St. Kindergarten.....	2	34

WEST SIDE

Name of School	Number of Rooms	Number of Pupils
Hannibal Hamlin.....	13	540
Valentine*.....	6	248
Pond Street.....	4	166
Larkin Street*.....	6	212
Bower Street*.....	4	160
Allen Street.....	2	104
Cottage Street.....	2	85
Third Street.....	1	31
Crosbyville.....	1	44
Hammond St. Kindergarten.....	2	36
Rural Schools.....	11	270

*Includes Kindergarten

NUMBER OF TEACHERS EMPLOYED

High School, 1 master, 1 sub-master and 29 assistants.....	31
Grammar grades, 2 principals and 25 assistants.....	27
Primary grades, teachers 49.....	49
Suburban schools, 11.....	11
Kindergarten, 1 supervisor, 8 principals and 8 assistants.....	17
Special teachers, 6.....	6

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AVERAGE NUMBER OF PUPILS TO EACH TEACHER

High School.....	25
Grammar grades.....	41
Primary grades.....	44
Suburban schools.....	22
Kindergarten.....	36

COST OF TUITION, INCLUDING SALARIES OF TEACHERS,
JANITORS' SERVICE, FUEL, BOOKS AND SUPPLIES

	Per Week	Per Year
High School.....	\$ 1 00	\$36 00
Upper Grammar (6-9).....	50	18 00
Lower Grammar (4-5).....	50	18 00
Primary.....	35	12 60
Suburban.....	45	16 20

GENERAL STATISTICS

Value of Bangor for 1914.....	\$24,202,442 00
Population of Bangor by census of 1910.....	24,815
Population between ages of 5 and 21 years.....	6,191
Total enrollment in public schools.....	4,099
Average enrollment in public schools.....	3,708
Enrollment of pupils in parochial and private schools approx.....	944
Percentage of school population in public and private schools.....	81%
Appropriation received from the City.....	77,650

STATISTICS OF ATTENDANCE, 1914-15

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
High School	George H. Larrabee, Prin.	287	407	694	663	318	429	747	710	301	418	719	682
	Lee T. Gray, Sub-master												
	Annie M. Pease.....												
	Mary B. Hutchings.....												
	Mary C. Robinson.....												
	Mary L. Webster.....												
	Alice E. Wormwood....												
	Elmar T. Boyd.....												
	Harriet N. Mason.....												
	Pauline A. Beaupre....												
	Fannie H. Robinson....												
	Irene Cousins.....												
	Stacia J. Scribner.....												
	Mabel A. Humphrey....												
	Nellie M. Worth.....												
	Harold A. M. Trickey...												
	Bertha C. Files.....												
	Willard H. Eaton.....												
	Amy E. Ware.....												
	Herbert E. Congdon....												
	Sue L. Hincks.....												
	Ethel C. Pfaff.....												
	Rachel A. Hall.....												
	Gladys E. Kavanah....												
	Anna MacSkimmon.....												
	Helen V. Bransfield....												
	Peter W. Mitchell.....												
	George N. Varney.....												
Palm St.	Herbert Poole, Prin.												
	IX Alma L. Davis.....	12	15	27	26	12	15	27	25	15	14	29	27
	IX Minnie E. McCarthy...	9	19	28	26	9	21	30	27	9	19	28	26
IX	Frances B. Mosher.....	13	20	33	31	14	20	34	32	14	20	34	33

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Palm St., con.													
	VIII Alice W. Trickey	21	21	42	40	21	21	42	41	21	21	42	40
	VIII Lilian C. McCarthy	18	18	36	35	20	19	39	37	20	19	39	37
	VIII Helen M. Morton	18	18	36	32	18	21	39	35	18	17	35	32
	VII Katherine Quigley	23	20	43	41	24	21	45	43	24	22	46	45
	VII Jennie L. Menges, Sub.	25	19	44	42	27	20	47	44	26	19	45	42
	VII Helen J. Mountaine	27	16	43	42	27	20	47	44	26	19	45	42
	VI Dora I. Worster	13	22	35	33	20	15	35	33	15	22	37	35
	VI Agnes M. Mullaney	18	17	35	32	21	15	36	33	18	18	36	34
	VI Eva L. Grant	19	17	36	35	20	19	39	36	21	17	38	37
	V Alice M. Collins	23	18	41	38	26	16	42	38	26	17	43	39
	V Nellie P. Blaisdell	21	17	38	36	22	19	41	39	23	20	43	39
IV & V	Alice W. Gilman	25	18	43	34	24	18	42	38	25	17	42	41
IV	Nettie M. Howard	20	20	40	37	19	21	40	36	19	21	40	38
IV	Mabel A. Weymouth	23	14	37	34	23	16	39	36	23	16	39	37
IV	Sarah A. Ryder	19	21	40	38	20	21	41	38	21	20	41	38
II & III	Mabel M. Drinkwater	17	21	38	36	16	25	41	38	16	22	38	34
I	Helen N. Christian	27	18	45	42	27	17	44	35	25	17	42	38
Union Sq.	Charles P. Allen, Prin.												
IX	Julia T. Brastow	16	20	36	35	17	23	40	38	17	22	39	35
IX	Annie M. Ervine	21	17	38	37	24	17	41	39	22	18	40	38
VIII	Mary R. Shaw	17	19	36	33	18	23	41	38	17	19	36	32
VIII & IX	Kate M. Allamby	18	17	35	34	17	17	34	33	18	17	35	32
VIII	Annie L. Roney	17	19	36	35	20	19	39	37	19	19	38	37
VII	Sara L. Field	20	17	37	36	20	20	40	38	20	19	39	36
VII	Ann E. Neville	18	21	39	37	21	21	42	41	18	22	40	38
VII	Mae O. Straw	21	14	35	33	22	17	39	34	23	15	38	35
VI	Gertrude E. Fogg	23	15	38	35	24	15	39	36	25	16	41	37
VI	Cora I. Morrison	22	19	41	38	21	19	40	38	22	19	41	38
VII	Lilla E. Curtis	24	17	41	39	21	17	38	37	24	19	43	39
V	Charlotte M. Davenport	24	15	39	36	23	18	41	40	23	17	40	33
V & VI	Flora E. Whitley	18	16	34	31	18	13	31	30	17	16	33	27

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Valentine....	V Bessie McCoy.....	22	12	34	32	22	13	35	33	22	12	34	32
	IV Allena H. Jewett.....	21	16	37	36	22	17	39	35	20	15	35	33
	III Elizabeth Nickerson....	19	17	36	33	18	17	35	30	19	15	34	30
	II Bessie G. Warren.....	22	7	29	28	26	10	36	31	23	8	31	28
	I Gertrude Simpson.....	22	12	34	30	23	15	38	32	23	14	37	31
Pond St.....	V Marion J. Mullen.....	18	15	33	32	16	17	33	31	18	16	34	33
	IV Nellie M. Jones.....	20	21	41	37	20	21	41	37	18	21	39	36
	II & III Eva W. Stewart.....	21	22	43	41	29	16	45	42	22	22	44	39
	I Jessie Lord.....	24	14	38	36	23	15	38	34	23	13	36	28
Centre St....	VI Corinne M. Barker.....	14	15	29	28	17	17	34	31	15	16	31	30
	IV & V Ida E. Frost.....	19	21	40	37	17	21	38	35	20	21	41	38
	II & III Eleanor Gayton.....	24	24	48	46	27	24	51	44	27	25	52	46
	I Elizabeth A. Norton....	15	22	37	33	17	28	45	35	14	26	40	36
Longfellow...	IV & V Augusta P. Kirstein....	21	18	39	38	24	15	39	36	25	16	41	38
	II & III Sadie R. Blaisdell.....	19	23	42	39	19	26	45	41	22	21	43	36
	II Grace E. Gallagher.....	7	13	20	19	10	12	22	21	7	12	19	18
	I Mary Gallagher.....	12	15	27	26	12	14	26	26	11	16	27	23
Elm St.....	III Harriet L. Mosher.....	12	26	38	36	10	27	37	33	12	26	38	35
	II Caro M. Pendleton.....	18	30	48	43	20	26	46	41	20	25	45	38
	I Alice M. Mack.....	31	21	52	47	31	18	49	43	32	20	52	41
Larkin St....	V Mary T. Gibbons.....	9	13	22	21	15	17	32	27	11	13	24	22
	III Mary A. Walsh.....	14	11	25	23	11	5	16	15	12	6	18	16
	IV Rosemarie Gallagher....	15	15	30	28	11	15	26	24	15	15	30	27

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Larkin St. con	II Mary F. Mahaney	15	13	28	27	15	16	31	29	16	17	33	30
	I Frances K. Donovan	23	14	37	32	24	13	37	34	24	13	37	31
Bower St.	IV Margaret S. Hamilton	28	15	43	41	28	15	43	38	28	15	43	41
	II & III Margaret Toole	11	19	30	27	14	13	27	26	13	17	30	26
	I B. Teresa Curran	19	13	32	26	17	13	30	24	17	10	27	24
State St.	II & III Mary R. Spratt	24	19	43	40	30	19	49	40	30	18	48	41
	I & II Eunice R. Coney	23	20	43	38	26	20	46	40	22	24	46	41
	I Helen L. Donnelly	22	24	46	43	22	27	49	37	22	24	46	36
Pearl St.	II & III Mary Clayton	24	8	32	29	25	11	36	32	26	12	38	31
	I Augusta Mountaine	17	17	34	29	21	19	40	36	17	18	35	29
Allen St.	II & III Kathryn Preble	24	28	52	49	23	27	50	46	24	25	49	41
	I Lillian M. Buzzell	27	20	47	41	26	21	47	42	26	19	45	32
Cottage St. ...	II & III Blanche T. Edmunds	23	14	37	34	24	15	39	35	22	13	35	30
	I Alzada C. Withee	18	18	36	33	21	19	40	35	17	18	35	26
Forest Ave. ...	II & III Nellie A. Sullivan	23	13	36	32	24	13	37	33	24	13	37	32
	I Annabel McManus	12	10	22	20	12	12	24	21	12	12	24	20
Third St.	I Bernice S. Welch	11	17	28	25	11	17	28	25	11	17	28	22
Crosbyville ..	I, II, III Bertha M. Cushman	17	11	28	25	21	17	38	30	17	15	32	26

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
	SUBURBAN												
Mt. Hope.....	Inez Davis.....	13	13	26	21	17	16	33	31	14	14	28	24
Still. Ave.....	Lucie W. Preble.....	9	13	22	20	15	17	32	25	11	14	25	22
Bagley.....	Mary E. Gallagher.....	9	11	20	18	10	8	18	14	9	7	16	14
Hillside.....	Pauline Pretto.....	18	7	25	22	17	5	22	21	17	5	22	21
Sherburne.....	Ruby M. Gould.....	14	9	23	22	13	11	24	22	13	10	23	21
Central.....	Mollie B. Cullinan.....	17	13	30	24	17	12	29	23	15	13	28	24
No. Bangor.....	Nellie I. Gale.....	17	11	28	24	16	10	26	21	15	9	24	22
Avenue.....	Esther M. Curran.....	7	9	16	14	7	9	16	15	7	9	16	15
Odlin.....	Bernice Babcock.....	10	9	19	17	10	10	20	18	10	11	21	19
Tyler.....	Louise A. O'Connor.....	5	8	13	12	5	8	13	12	5	8	13	12
Fuller.....	Mary F. Fahey.....	5	5	10	9	5	4	9	8	6	5	11	11
	KINDERGARTEN												
	Nellie E. Brown, Supervisor.....												
State St.....	Marguerite H. Belden, Director	17	16	33	28	13	19	32	26	13	17	30	23
	Alice E. Moore, Asst.....												
Elm St.....	Katherine L. Durgin, Director	19	29	48	35	18	22	40	32	17	22	39	28
	Elizabeth Hurley, Asst.....												
Bower St.....	Gladys A. Totman, Director	14	14	28	23	14	18	32	26	15	13	28	20
	Mary E. Mooney, Asst.....												
Longfellow.....	Adelaide L. Mansur, Director	21	19	40	32	18	22	40	28	16	18	34	24
	Mary A. Reilly, Asst.....												

School	Name of Teacher	Spring Term				Fall Term				Winter Term			
		Boys	Girls	No.	Av.	Boys	Girls	No.	Av.	Boys	Girls	No.	Av.
Valentine....	Grace E. Glass, Director	17	23	40	33	17	21	38	33	17	21	38	29
	Elsie M. Lyon, Asst.....												
Larkin St....	Eleanor A. Herlihy, Director	17	18	35	30	16	15	31	27	14	14	28	20
	Margaret M. Moran, Asst.												
Pearl St.....	Eva M. Ervine, Subst. Director	17	12	29	25	15	14	29	24	15	13	28	21
	Annie G. Gilkey, Asst....												
Hammond St	Virginia Dillingham, Director	18	18	36	23	19	17	36	25	17	17	34	17
	Alice Rooney, Asst.....												
		1981	1955	3936	3624	2080	2019	4099	3708	2016	1967	3983	3551

DIRECTORY OF TEACHERS, 1914-15

Schools	Teachers' Names	Grades	Addresses
High.....	George H. Larrabee, Prin.....		131 Grant
	Lee T. Gray, Sub-Master.....		197 Fountain
	Annie M. Pease.....		54 Penobscot
	Mary B. Hutchings.....		304 No. Main, Brewer
	Mary C. Robinson.....		44 Thatcher
	Mary L. Webster.....		The Colonial
	Alice E. Wormwood.....		202 Norfolk
	Elmar T. Boyd.....		251 French
	Harriet N. Mason.....		23 Jefferson
	Pauline A. Beaupre.....		396 Hammond
	Fannie H. Robinson.....		142 Hammond
	Irene Cousins.....		82 No. Main, Brewer
	Stacia J. Scribner.....		The Lowder
	Mabel A. Humphrey.....		50 Leighton
	Nellie M. Worth.....		99 Kenduskeag Ave.
	Harold A. M. Trickey.....		Hampden
	Bertha C. Files.....		101 Maple
	Willard H. Eaton.....		123 Center
	Amy E. Ware.....		113 Grove
	Herbert E. Congdon.....		31 Ohio
	Sue L. Hincks.....		65 Holyoke St., Brewer
	Rachel A. Hall.....		316 Hammond
	Gladys E. Kavanah.....		26 Lane
	Anna McSkimmon.....		94 Third
	Helen V. Bransfield.....		The Lowder
	Ethel C. Pfaff.....		57 Ohio
	Peter W. Mitchell.....		Hampden
	George N. Varney.....		22 Ohio
Palm St.....	Herbert Poole, Prin.....		29 Palm
	Alma L. Davis.....	IX.....	179 Birch
	Minnie E. McCarthy.....	IX.....	17 Birch
	Frances B. Mosher.....	IX.....	38 Forest Ave.

Schools	Teachers' Names	Grades	Addresses
Palm St. con.	Alice W. Trickey	VIII	27 Prentiss
	Lilian C. McCarthy	VIII	17 Birch
	Helen M. Morton	VIII	223 Ohio
	Katherine Quigley	VII	167 Birch
	Jennie L. Menges, Substitute	VII	196 State
	Helen J. Mountaine	VII	21 Adams
	Agnes M. Mullaney	VI	41 Birch
	Eva L. Grant	VI	42 Grant
	Dora I. Worster	VI	Bangor, R. F. D. 1
	Alice M. Collins	V	40 E. Summer
	Nellie P. Blaisdell	V	277 Forest Ave.
	Alice W. Gilman	IV & V	Brewer
	Nettie M. Howard	IV	Brewer
	Mabel A. Weymouth	IV	Brewer
	Sarah A. Ryder	IV	213 Grove
	Mabel M. Drinkwater	II & III	135 Elm
	Helen N. Christian	I	17 Adams
Union Sq...	Charles P. Allen, Prin.		134 Ohio
	Julia T. Brastow	IX	7 Fourth St. Place
	Annie M. Ervine	IX	329 Union
	Mary R. Shaw	VIII	23 Highland Ave.
	Kate M. Allamby	VIII	239 Ohio
	Annie L. Rooney	VIII	76 Summer
	Sara L. Field	VII	219 Ohio
	Ann E. Neville	VII	109 Elm
	Mae O. Straw	VII	Union, R. F. D.
	Gertrude E. Fogg	VI	6 Fifth
	Cora I. Morrison	VI	6 Fifth
	Lilla E. Curtis	VI	Brewer
	Charlotte M. Davenport	V	223 Ohio
	Flora E. Whitley	V & VI	R. F. D. No. 8
Valentine...	Bessie McCoy, Prin.	V	28 Maple
	Allena H. Jewett	IV	80 Lincoln
	Elizabeth Nickerson	III	170 Third
	Bessie G. Warren	II	25 Hudson

Schools	Teachers' Names	Grades	Addresses
Val., con	Gertrude Simpson	I	28 Second
Pond St....	Marion J. Mullen, Prin.....	V	431 Hammond
	Nellie M. Jones	IV	152 Ohio
	Eva W. Stewart	II & III	17 Seventh
	Jessie Lord	I	13 Pond
Center St....	Corinne M. Barker, Prin.....	VI	87 Elm
	Ida E. Frost	IV & V	58 Kenduskeag Ave.
	Eleanor Gayton	II & III	247 Forest Ave.
	Elizabeth A. Norton	I	66 Madison
Longfellow....	Augusta P. Kirstein, Prin.....	IV & V	375 Center
	Sadie R. Blaisdell	II & III	277 Forest Ave.
	Grace E. Gallagher	II	11 Birch
	Mary Gallagher	I	83 First
Elm St.....	Harriet L. Mosher, Prin.....	III	242 Essex
	Caro M. Pendleton	II	167 Forest Ave.
	Alice M. Mack	I	121 Grove
Larkin St....	Mary T. Gibbons, Prin.....	V	29 Dutton
	Rosemarie Gallagher	IV	11 Birch
	Mary A. Walsh	III	31 Sidney
	Mary F. Mahaney	II	88 Larkin
	Frances K. Donovan	I	22 Barker
Bower St....	Margaret S. Hamilton, Prin.....	IV	59 Dillingham
	Margaret Toole	II & III	34 Smith
	B. Teresa Curran	I	32 Carroll
State St.....	Mary R. Spratt, Prin.....	II & III	43 Essex
	Eunice R. Coney	I & II	21 Fern
	Helen L. Donnelly	I	381 Main
Pearl St....	Mary Clayton	II & III	6 Coombs
	Augusta Mountaine	I	21 Adams
Allen St....	Kathryn Preble	II & III	15 Elm
	Lillian M. Buzzell	I	195 Third
Cottage St...	Blanche T. Edmunds	II & III	30 Ohio
	Alzada C. Withee	I	71 Holland
Forest Ave...	Nellie A. Sullivan	II & III	Vcazie
	Annabel C. McManus	I	183 Third
Third St....	Bernice S. Welch	I	31 March

Schools	Teachers' Names	Grades	Addresses
Crosbyville..	Bertha M. Cushman.....	I, II, III	29 Holland
SUBURBAN SCHOOLS			
Mount Hope.	Inez Davis.....		East Eddington
Stillwater Av.	Lucie W. Preble.....		15 Elm
Bagley.....	Mary E. Gallagher.....		267 State
Hillside.....	Pauline Pretto.....		50 Pine
Sherburne...	Ruby M. Gould.....		Kenduskeag
Central.....	Mollie B. Cullinan.....		440 Main
N. Bangor	Nellie I. Gale.....		93 Wiley
Avenue.....	Esther M. Curran.....		112 Birch
Odlin.....	Bernice Babcock.....		Odlin Road, R. F. D. 2
Tyler.....	Louise A. O'Connor.....		30 Otis
Fuller.....	Mary F. Fahey.....		20 Salem Ct.
KINDERGARTENS			
	Nellie E. Brown, Supervisor.....		29 James
State St.....	Marguerite H. Belden, Director.....		22 Ohio
	Alice E. Moore, Asst.....		141 Ohio
Elm St.....	Katherine L. Durgin, Director.....		40 Blackstone
	Elizabeth L. Hurley, Asst.....		45 Sidney
Longfellow...	Adelaide L. Mansur, Director.....		15 Somerset
	Mary A. Reilley, Asst.....		84 Cedar
Valentine....	Grace E. Glass, Director.....		29 James
	Elsie M. Lyon, Asst.....		735 Main
Bower St....	Gladys A. Totman, Director.....		141 Ohio
	Mary E. Mooney, Asst.....		87 Second
Larkin St....	Eleanor A. Herlihy, Director.....		201 State
	Margaret M. Moran, Asst.....		130 West Broadway
Pearl St.....	Georgia C. McClench, Director.....		11 Park View Ave
	Annie G. Gilkey, Asst.....		141 Ohio
Hammond St	Virginia Dillingham, Director.....		114 Forest Ave.
	Alice Rooney, Asst.....		316 Center

School	Teachers' Name	Grade	Addresses
SPECIAL SUPERVISORS			
Music.....	Gale Littlefield.....		29 James
Writing.....	Mary Alexander.....		28 Congress
Drawing.....	Mabel L. Dealing.....		199 Main
Manual			
Training.....	Benjamin C. Kent, Director.....		53 Blackstone
	John W. S. Hodgdon, Asst.....		405 No. Main, Brewer
Domestic			
Science.....	Arra L. Sutton.....		141 Ohio
	Alice J. Harvey, Asst.....		64 Center
	Ethel E. Harrigan, Asst.....		319 State
Phys Director	Emily F. Lee.....		58 Fifth

EVENING SCHOOL

Lee T. Gray, Director

Benj. C. Kent, Mechanical Drawing

John W. S. Hodgdon, Manual Training

George N. Varney

Gladys Hamor, 22 Kenduskeag Ave.

Open—Monday, Tuesday and Thursday evenings from 7.00 till 9.00 o'clock.

MEDICAL INSPECTORS

Dr. D. A. Robinson, Chairman

Dr. Blanche Mansfield, Secretary

Dr. L. S. Mason

Dr. H. J. Milliken

Dr. H. H. Crane

Dr. Barbara Hunt

Dr. L. M. Pastor

Dr. H. F. Quinn

Regular Meeting of Medical Inspectors, the second Tuesday of each month at 7.30 P. M., Medical Room, High School Building.

COURSES OF STUDY

CLASSICAL COURSE

The Classical Course prepares for any College; it gives an all round Academic Course, strong in languages.

First Year	<i>Required</i> —English 5. Latin 5. Algebra 5. Ancient History $2\frac{1}{2}$. Science $2\frac{1}{2}$.
Second Year	<i>Required</i> —English II, 5. Latin II, 5. Geometry 5. <i>Elective</i> . (One to be selected.) Greek 5. French 5. German 5.
Third Year	<i>Required</i> —English III, $2\frac{1}{2}$. Latin III, 5. Algebra II, 5. Ancient History $2\frac{1}{2}$. <i>Elective</i> . (One to be selected)—Greek II, 5. French II, 5. German II, 5. <i>Optional</i> —French I, 5 or German I, 5.
Fourth Year	<i>Required</i> —English IV, $2\frac{1}{2}$. Latin IV, 5. Mathematics $2\frac{1}{2}$. Greek III, or German II or French III, 5. <i>Elective</i> —(One to be selected.) French I, or II, 5. German I or II, 5. Chemistry 5. Physics 5. Solid Geometry and Trigonometry 5.

SCIENTIFIC COURSE

The Scientific Course fits for admission to Schools of Technology, and to the Scientific Department of other Colleges.

First Year	<i>Required</i> —English 5. Latin 5 or French 5. Algebra 5. Ancient History $2\frac{1}{2}$. Science $2\frac{1}{2}$.
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SCIENTIFIC COURSE—Continued

Second Year	<i>Required</i> —English II, 5. Latin II, 5 or French II, 5. Geometry 5. <i>Elective</i> . (One to be selected.)—Botany 5. Physiography 5. French I, 5 or German I, 5.
Third Year	<i>Required</i> —English III, 2½. Algebra II, 5. Physics 5. Anc. History 2½. <i>Elective</i> . (One to be selected.)—French III, 5. French I, or II, 5. German I, or II, 5.
Fourth Year	<i>Required</i> —English IV, 2½. Mathematics 5. Chemistry 5. <i>Elective</i> . (One to be selected.)—French I, II, or III, 5. German I, II or III, 5. American History and Civics 5. <i>Optional</i> —Hygiene 2½. Mechanical Drawing 2½.

TECHNICAL COURSE

The Technical Course fits for Scientific and Technical Schools and gives an all round Technical education.

First Year	<i>Required</i> —English I, 5. Algebra 5. Drawing and Shopwork 10=5. Ancient History 2½. Science 2½.
Second Year	<i>Required</i> —English II, 5. Geometry 5. Drawing and Shopwork 10=5. <i>Elective</i> . (One to be selected.)—German I, 5. French I, 5. Physiography 5.
Third Year	<i>Required</i> —English III, 2½. Ancient History 2½. Algebra II, 5. Physics 5. <i>Elective</i> . (One to be selected.)—French I or II, 5. German I or II, 5.

TECHNICAL COURSE—Continued

	<i>Required</i> —English IV, 2½. Solid Geometry and Trigonometry 5. Chemistry 5.
Fourth Year	<i>Elective.</i> (One to be selected.)—American History and Civics 5. French I, II, or III, 5. German I, II, or III, 5.
	<i>Optional</i> —Mechanical Drawing 2½.

INDUSTRIAL COURSE

The Industrial Course is designed to enable the pupil who does not intend to enter College, to make himself of greater value along industrial lines.

First Year	<i>Required</i> —English 5. Algebra or Arithmetic 5. Drawing and Shopwork 10=5. Penmanship and Spelling (with Business Forms) 2½.
Second Year	<i>Required</i> —English II, 5. Drawing and Shopwork 10=5. Bookkeeping 5. <i>Elective.</i> (One to be selected.) Physiography 5. Geometry 5. French I or German I, 5.
Third Year	<i>Required</i> —English III, 5. Commercial Law 2½. Commercial Geography 2½. <i>Elective.</i> (Two to be selected.)—Bookkeeping 5. Physics 5. French I or II, 5. German I or II, 5. English History 5.
Fourth Year	<i>Required</i> —English IV, 5. American History and Civics 5. Typewriting 5=2½. Hygiene 2½. <i>Elective.</i> (One to be selected.)—Bookkeeping 5. Chemistry 5. French I, II or III, 5. German I, II or III, 5.

HOUSEHOLD ARTS COURSE

The Household Arts Course is, to a large degree, of a practical character and emphasizes such studies as would be useful in a well ordered home.

First Year	<i>Required</i> —English 5. Algebra and Science 5. Latin or French 5. Cookery 2. Sewing 1.
Second Year	<i>Required</i> —English II, 5. Biology 5. First Semester—Cookery 2. Sewing 1. Second Semester—Sanitary Science 2. Sewing 1. <i>Elective.</i> (One to be selected.)—Latin II, 5. French II, 5. German I, 5 or Geometry 5.
Third Year	<i>Required</i> —English III, 5. Household Physics 5. English History 2½. Bookkeeping 2½. First Semester—Dressmaking 2. Millinery 1. Second Semester, Home Management and Laundry 2. Millinery 1.
Fourth Year	<i>Required</i> —English IV, 5. Household Chemistry 5. American History and Civics 5. First Semester—Dietetics 2. Foods and Adulterations 1. Second Semester—Home Decoration 2. Home Nursing 1.

COMMERCIAL COURSE

The Commercial Course gives a thorough and broad business training.

First Year	<i>Required</i> —English 5. Algebra and Science 5. Arithmetic 5. Penmanship and Spelling (with Business Forms) 2½.
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COMMERCIAL COURSE—Continued

Second Year	<i>Required</i>—English II, 5. Bookkeeping I, 5. Typewriting 5 = 2½. <i>Elective.</i> (One to be selected.)—Stenography 5. French I, 5. German I, 5. Physiography 5. Botany 5.
Third Year	<i>Required</i>—English III, 5. Bookkeeping II, 5. Commercial Law 2½. Commercial Geography 2½. <i>Elective.</i> (One to be selected.)—Stenography and Typewriting 5. French I or II, 5. German I or II, 5. Physics 5.
Fourth Year	<i>Required</i>—English IV, 5. American History and Civics 5. <i>Elective.</i> (Two to be selected.)—Stenography and Typewriting 5. Bookkeeping III, 5. French I, II or III, 5. German I, II or III, 5. Chemistry 5.

GENERAL COURSE

The General Course is intended to give a broad general training to those pupils who do not intend to enter a higher institution.

First Year	<i>Required</i>—English 5. <i>Elective.</i> (Two to be selected).—Algebra 5. Arithmetic 5. French 5. Latin 5. (One to be selected.)—Ancient History 2½. Science 2½. Domestic Science 2½. Mechanical Drawing 2½.
Second Year	<i>Required</i>—English II, 5. <i>Elective.</i> (One to be selected.)—Modern History 2½. Mechanical Drawing 2½. Domestic Science 2½. (Two to be selected.) Geometry 5. Botany or Physiography 5. Bookkeeping 5. Latin II or French II, 5. German I, 5.

GENERAL COURSE—Continued

Third Year	<i>Required</i> —English III, 5. English History 2½. <i>Elective.</i> (Two to be selected.)—French I, II or III, 5. Latin III, 5. German I or II, 5. Physics 5. Bookkeeping I or II, 5. Algebra II, 5.
Fourth Year	<i>Required</i> —English IV, 5. Hygiene 2½. <i>Elective.</i> (Two to be selected.)—American History and Civics 5. German I, II or III, 5. Mathematics 5. Bookkeeping I, II or III, 5. Chemistry 5. French I, II, or III, 5.

NOTES ON THE COURSES OF STUDY

1. The figure after each subject indicates the number of recitation periods per week, which is, in general, the same as the number of credits allowed. Exceptions are found in several studies. In this case the diploma value is indicated after the sign =.

2. A pupil in course for a diploma must take studies representing at least seventeen and one-half credits for the year.

3. The minimum number of points to secure a diploma is seventy.

4. Only one foreign language may be begun in the same year and it should be continued for at least two years if the pupil is proficient.

5. Pupils who are preparing to enter college or scientific schools have little choice in regard to studies. The requirements of the institution which the pupil is to enter, fix the subjects to be taken. It is important that the choice of college be made as early as the beginning of the second year, and pupils should then find out exactly the requirements for admission to the college chosen.

6. There must be a sufficient number of pupils desiring a certain elective to warrant the formation of a class in that subject.

7. Pupils unable to take the full course of seventeen and one-half periods a week, may, by consultation with the principal, arrange a course for five years.

8. The selection of studies is subject to the approval of parents and principal and, whenever necessary, of the superintendent. After studies have been selected, pupils will not be allowed to make changes until permission has been granted by the principal or superintendent. The three upper classes select their studies before the close of the preceding year.

High School Athletics

In order to put the Athletics of the Bangor High School on a firmer basis the School Board appointed as Committee, C. Parker Crowell and the Superintendent. In accordance with the suggestions embodied in their report the following Constitution has been drawn up:—

CONSTITUTION OF ATHLETIC COUNCIL OF BANGOR HIGH SCHOOL

ARTICLE I

NAME

The name of this Body shall be "The Athletic Council of Bangor High School."

ARTICLE II

PURPOSE

The purpose of this Body shall be:

1. To promote the various branches of Athletics and to supervise and direct the same.
2. To see that the various athletic contests are arranged and conducted for the best interests of the School.
3. To represent the Faculty, Alumni and Student interests in the active supervision of Athletics in Bangor High School.

The Athletic Council shall at all times be subject to the control of, and shall be responsible for its acts to the Superin-

tending School Committee of Bangor. Subject to such control by the School Committee, the Athletic Council shall have full jurisdiction over all matters relating to, or in any way connected with, the Athletic interests of the Bangor High School.

ARTICLE III

MEMBERS

The Athletic Council shall consist of nine (9) members, as follows:

Three (3) members of the Faculty.

Three (3) members of the Alumni or former students.

Three (3) members of the Student Body.

ARTICLE IV

ELECTION OF MEMBERS

The Faculty members of the Council shall be the Principal of the School, the Physical Director and one other member elected by the Faculty. The Alumni members of the Council shall be elected by the School Committee except that in the event of an active Alumni Association of the School being formed, such Alumni Association shall elect the alumni members. The Student members, one from each of the three upper classes, shall be elected by their respective classes by ballot.

The Principal of the School shall be Ex-Officio Chairman of the Athletic Council.

The election of alumni members shall be held at the regular meeting of the School Committee in June.

The election of student and faculty members of the Athletic Council shall be held annually during the week in June following the first Monday at the close of the school year, and all members shall hold office until their successors are elected.

ARTICLE V
JURISDICTION AND DUTIES

SECTION 1. This Body shall have full jurisdiction over all matters relating to or in any way connected with the Athletic interests of Bangor High School, including the power to declare a vacancy in the office of Manager or Captain of any team whenever in the judgment of this Body the administration thereof is contrary to the Athletic interests of the school.

SECTION 2. It shall be the duty of this Body immediately subsequent to its election, to organize and elect a member of the Faculty of the School, who may or may not be a member of this Body, as Secretary and Treasurer, and the said Secretary and Treasurer shall act as custodian of all records and other property belonging to or in any way connected with each Athletic department, and the said Secretary and Treasurer shall hold subject to the direction of this Body, all original estimates and reports laid before it by each manager during the period of his management, together with all Books of Record and all funds remaining as balance to the credit of each Athletic department at the end of its respective season. It shall be the duty of the Secretary and Treasurer to pay all properly contracted and approved bills of the several athletic departments and to supervise all advertising and printing of aforesaid departments. The Athletic Council shall make a written report to the School Committee in June each year, including therein the Secretary and Treasurer's report for the year. All original estimates and reports, together with a statement of the finances of the different departments shall be on file in the office of the Secretary and Treasurer and at all times accessible to members of this Body and the Superintending School Committee. It shall be the duty of the Secretary and Treasurer of this Body to call meetings thereof at any time upon request of any member.

SECTION 3. It shall be the duty of this body immediately subsequent to its organization to elect an auditing committee consisting of one Faculty member, one Alumni member and one Student member whose duty it shall be to Audit the books of the Secretary and Treasurer and report before the first Monday in June.

SECTION 4. It shall be the duty of this Body to keep fully advised at all times of the exact financial conditions of the several Athletic departments and for this purpose it shall have the power to require the Secretary and Treasurer to submit a statement of the finances of the several departments at any time. And it shall further be the duty of this Body to withhold from any manager permission to engage in any game or contest whenever in the judgment of this Body the conditions warrant such action.

SECTION 5. It shall be the duty of this Body to publish over the signature of its Treasurer in that issue of the Bangor High School Oracle next subsequent to the close of each Athletic season a statement of the financial conditions of that department audited by the Auditing Committee of this Body.

SECTION 6. It shall be the duty of this Body to nominate from the members of the incoming Senior Class not less than two (2) candidates for Manager and from the incoming Junior class not less than two (2) candidates for Assistant Manager, of each Athletic team from whom a choice must be made by a vote of the entire student body. The baseball and track managers shall be elected in October, the football managers in January and the Basketball managers in June of each year.

ARTICLE VI

ELECTION OF CAPTAINS

1. The captain of the football team shall be elected by those members of the football squad who win their B's.

2. The captain of the basketball team shall be elected by those members of the basketball team who win their B's.

3. The captain of the baseball team shall be elected by those members of the baseball team who win their B's.

4. The captain of the track team shall be elected by those members of the track team who have won their B's.

5. The election of the captains of the various teams shall be held at the High School Building. The Physical director shall call and preside over the same. Seven days' notice in writing shall be given. This election shall be held not later than 30 days after the close of each season.

ARTICLE VII

AWARDING OF LETTERS

Any member of the school who has participated in parts of three or two entire games of football or in parts of four or three entire and regularly scheduled games of baseball; or in parts of four or three entire and regularly scheduled games of basketball; or who has won a point in the Bowdoin or Maine Invitation Track Meet shall be entitled to the "B" of the Bangor High School. The Manager of each team shall be awarded a manager's "B".

No entertainment, athletic schedule, or other event in which the school may participate shall be given until information concerning the same is furnished the Committee and approval obtained.

REGULATIONS

All students are required to take three full studies and conform to all school regulations. No relaxation of this rule will be permitted except for physical disability or in the case of Post-Graduates who hold diplomas.

For tardiness or absence, the teacher shall require a written excuse from the parent or guardian, and in default of it, may inflict such penalty as may be approved by the Committee.

If a scholar is absent *three days* in any one month, the teacher may require the excuse to be signed by the Committee.

A scholar, who is absent from school *five successive days* or from examination, without a good excuse, or who withdraws from the school, cannot be admitted to his class until he has obtained a written permission from the Committee or from the Superintendent, and made up the lost lessons to the satisfaction of the teacher.

A rank of 65 in each study is required for promotion.

Scholars who fail of promotion will be classed and seated with the grade in which the failure occurs until all deficiencies are made up.

There is one session of the High School each day of the term, continuing from 8 a. m. to 12.45 p. m.

Any pupils, who for any reason need extra work, may, at the discretion of the principal be called to the High school on Friday afternoon.

OUTLINE OF MANUAL TRAINING

First grade—Paper folding and raphia.

Second grade—Rule and pencil, cardboard and raphia.

Third grade—Cardboard construction and raphia.

Fourth grade—Cardboard construction and raphia.

Fifth grade—Geometric forms in cardboard, basketry and weaving.

Sixth grade—Geometric forms, basketry, weaving and whittling.

Models should be centered around various interests.

Suggestive centers—Home interests, school interests, occupations, games, New Year's, Valentine's Day, Washington's Birthday, Easter, May Day, vacation, Thanksgiving, Christmas, election, the weather, transportation, shops and nature study.

OUTLINES FOR MANUAL TRAINING

SIXTH GRADE

EXERCISE	OPERATION	NEW TOOLS	OPTIONAL EX.
1. Measurements	Measure Bench	Rule	Measure Block
2. Squaring	Square Corners of given block	Try Square	
3. Talk "Kinds of Wood (hard, soft, trees of each), Grain of Wood, Sap Wood, Heart Wood, Growth by Rings, etc. with samples."			
4. Gauging	Gauge $\frac{1}{4}$ inch lines	Gauge	Block 8 x 4 x 1
5. Knife Lines	Square $\frac{1}{4}$ inch lines	Knife	
6. Whittling	Make Plant Tags Make Paper Knife		Flower Stick
7. Sawing	Saw on Squared Line Try work with Square	Saw (Cross-cut) Bench Hook	
8. Layout Work from samples	Make Game Board Base		Key Rack
9. Boring	Bore Holes in Game Board	Bit Brace, Bits (Auger & Gimlet)	
10. Cut from Pattern	Make Pegs for Game Board		
11. Chamfering	Chamfer Pegs for Game Board		
12. Finishing	Sandpaper Game Boards and Pegs	Sandpaper	
13. Planing	Layout Hat Rack and Plane to Size	Jack Plane	Cutting Board
14. Sawing Long Curve	Saw Out Coat Hanger	Turning Saw	Twine Winder
15. Shaving Long Curve	Finish Coat Hanger	Spoke Shave	Kite Back
16. Finishing	Sandpaper and Shellac (White)	Shellac Brush	

OUTLINES FOR MANUAL TRAINING **SEVENTH GRADE**

OPERATION	EXERCISE	NEW TOOLS	OPTIONAL EX.
1. Sawing with Grain	Make Plant Stand	Splitting Saw	Trellis
2. Work out Arch	Standards for Plant Stand	Chisel	Dish Drainer Wind Mill
3. Assembling	Nail Plant Stand together	Hammer, Nails or Brads	Kite String
4. Rounding Corners	Make Shelf	Pencil Dividers	Tooth Brush Holder
5. Chip Carving	Ribbon Design on Shelf	Skew Chisel Carving Knife	Corner Designs
6. Sawing Short Curve	Make Picture Puzzle	Turning Saws Coping Saws	Small Circles Coat Hanger
7. Making Cylinder	Make Necktie Rack		
8. Planing across Grain	Octagonal Mat for Hot Dishes	Block Plane	Bulletin Board

OUTLINES FOR MANUAL TRAINING

EIGHTH GRADE

OPERATION	EXERCISE	NEW TOOLS	OPTIONAL EX.
1. Box Construction	Necktie Box from Blue print	Hand Screw	Collar Box
2. Rounding Corners	Round corners and Edges of Box	Rounding Tool, Block Plane	
3. Gluing	Glue Corners of Box	Glue and Clamps	
4. Staining	Stain Box		
5. Joining	Magazine Rack		Hat Rack
6. Fastening with Screws	Screw Magazine Rack together	Screw Driver	

OUTLINES FOR MANUAL TRAINING **NINTH GRADE**

OPERATION	EXERCISE	NEW TOOLS	OPTIONAL Ex.
1. Edge Gluing and Doweling	Bread Board	Bit Gauge Screen Clamps	Paper File
2. Finishing with Oil	Finish Bread Board	Linseed Oil Dryer	
3. Half Lap Joint	Exercise from Drawing		
4. Gain and Dado Joint	Exercise from Drawing		
5. Application of 3 & 4	Jardinere Stand		Small Table
6. Dado Joint with Bab-bit and Groove	Exercise from Drawing		
7. Blind Mortise & Tenon Joint	Exercise from Drawing		
8. Thru Mortise and Tenon Joint	Exercise from Drawing		
9. Application of 6-7 & 8	Small Stand with Draw		
10. Dove Tail Joint	Exercise from Drawing		Reed Top Stool

OUTLINES FOR MANUAL TRAINING **TENTH GRADE**

OPERATION	EXERCISE	NEW TOOLS	OPTIONAL EX.
I. Paneling	Medicine Cabinet	Plow and Parts	Book Case
1 Turning between Centers	Exercise from Drawing	Gouge Skew Chisel	Pastry Roller
II. Turning Handles, Knobs, etc.	Exercise from Drawing	Cutting off Tool, Round Nose	Mallet
2. Cane Seat	Cane Seated Stool	Dividers Router	Reseat Chair
III. Furniture Making of Small Dimensions	Taborett, Piano Bench, Library Table		Book Case
3. Turning on Screw Plate	Exercise from Drawing		Rings
4. Turning on Face Plate	Exercise from Drawing		
5. Chucking and Re-chucking	Exercise from Drawing		
IV. Piece of Furniture that will combine both Bench Work and Lathe Work.			

OUTLINES FOR MACHINE SHOP WORK **ELEVENTH GRADE**

OPERATION	EXERCISE	NEW TOOLS
1. Chipping, Filing, Surface Gauging	Base for Desk, Paper File	Cold Chisel Machinist Hammer
2. Draw Filing	Spindle for Desk Paper File	Scale Scratch Awl Square
3. Cutting with Cold Chisel	Inside or Outside Dividers Exercise from Drawing	Calipers
4. Turning between Centers		Engine Lathe Lathe Tools Micrometer Calipers
5. Turning Taper	Exercise from Drawing	Taper Gauge Morse 2
6. Facing in Chuck Boring in Chuck Reaming in Chuck	Finish Small Shaft Coupling	Lathe Chuck Drill
7. Turning on Arbor Polishing	Finish Coupling	Reamer
8. Grinding to Exact Size	$\frac{1}{4}$ inch Arbor—.001 to .002	Speed Lathe Emery Cloth Emery Dust
9. Hardening	Harden Arbor In Oil	Revolving Grinder Forge
10. Cutting Thread in Lathe	Make Bolt	
11. Bolt Heads	Cut Hex Head in Milling Machine	
12. Gear Teeth	Make Gear Blank Cut Teeth in Milling Machine	
13. Drilling Tap Thread	Drill $\frac{1}{4}$ inch Hole Tap $\frac{1}{4}$ inch Thread	Upright Drill Tap

OUTLINE FOR MECHANICAL DRAWING

TENTH GRADE

Plate I	Lettering, showing the size and strokes used of each letter and figure. Vertical Gothic Lettering used.
Plate II	Exercises to teach the use of T square, triangles, scale, drawing instruments and the necessity of accuracy and neatness.
Plate III, IV & V	Continuation of Plate II.
Plate VI	Beginning with the simplest geometrical problems and working thru geometrical construction of polygons.
Plate VI, VII & VIII	Continuation of Plate VI.
Plate IX.	Geometrical Construction of non-circular curves, i. e.: ellipse, parabola and hyperbola.
Plate X	Orthographic Projections and the use of projection lines.
Plate XI	Orthographic Projections continued without the projection lines.
Plate XII	Copy Drawing of shaft coupling and make a tracing and a blue print.
Plate XIII	Orthographic projection with the object at an angle of 30 degrees with the ground line.
Plate XIV	Isometric projection involving some non-isometric lines.
Plate XV	Continuation of isometric problems.
Plate XVI	Simple problem of development.
Plate XVII	Continuation of developments as patterns.
Plate XVIII	Drawing of small piece of machinery from measurements taken and a tracing made of drawing.

OUTLINE FOR MECHANICAL DRAWING

ELEVENTH GRADE

Plate I	Drawing of various kinds of bolts and nuts with standard threads. Table of standard threads nuts and bolt heads.
Plate II	Drawing of exercises, to be used in machine shop, from sketch.
Plate III	Drawing of parts of tail stock of engine lathe from sketch. Drawing made to some convenient scale.
Plate IV.	Drawing of tool carriage of engine lathe from sketch.
Plate V	Make tracing of Plates III-IV and make blue prints of both.
Plate VI	Drawing of head stock of engine lathe from sketch.
Plate VII	Drawing of apron and tool carriage feed.
Plate VIII	Drawing of base of engine lathe.
Plate IX	Assembly Drawing of engine lathe from preceding drawings.
Plate X	Tracing of Plate IX and make a blue print.
Plate XI	Rolling gear teeth of involute and cycloidal type, with a study of pitch, pitch-circle, clearance, back-lash and depth. Shop problems will be given throughout the course that the student may be able to make their own calculations.

Report of the Abraham Lincoln School

Mr. D. Lyman Wormwood, Superintendent of Schools:

In attendance, quantity and quality of work, and hearty co-operation, this has been a satisfactory year. The major studies have been maintained at a high standard; while the music, writing, and drawing, previously crippled from limited time, have produced results of which we may well be proud.

Should you find it convenient to grant the improvements asked for the teachers' study, we feel that the social and professional spirit will be greatly enhanced. The teachers through a committee have generously contributed the funds and subscribed for a good list of the best periodicals, which are to come direct to the study for listing and may then be used by the teachers as best suits their convenience. This must develop a broader educational reading individually and furnish material for general discussion and development.

The parents' days which we started as an experiment during the winter term were very successful. Instead of holding days for all the grades during any one term, we plan to have two each term of the coming year. This will lead to less confusion in using the assembly hall, and be more agreeable for parents happening to have pupils in different grades.

The ninth grade plays, which we started as a source of revenue for the athletics, have, through the kindly interest and generosity of the parents and friends, wonderfully well answered the purpose. As the work requires considerable natural ability in that line, of course only a portion of the grade is available; but the percentage is much larger than that taking part in the

athletics and includes girls as well as boys. It would be difficult to find a better means for developing a pupil's ability to appear before an audience under good self-control. He has an interest in what he is saying and an incentive to perform on a par with the rest of the cast.

As a safeguard to the health of the pupils, as well as the general convenience and help toward better work, we hope you may be pleased to partition off and light a dressing room at either side of the stage.

It would prove a great help to both parents' days and plays, if we had settees instead of chairs in the assembly hall. As now seated, every time a person stirs a chair scrapes on the floor; which with so many little people is bound to happen continuously. The nuisance would be entirely stopped with settees. If too costly for one purchase, might we not have a few this year and later add to the number as you find convenient?

The electric bell in rooms twelve and sixteen, the gongs for the whole building, and the light over the teachers' door should be put in order.

The fence at the front of the building and the steps at the side of the girls' yard should be repaired. A new trough is needed at the pump.

We are very grateful to you for the many ways in which you have met our wants financially, but far more so for the sympathetic interest and big-heartedness with which you have entered into our work.

The admirable globe which you lately furnished is filling a long felt want. We are all anticipating much pleasure and profit from the excellent compound microscope during the coming year.

We thank you for your generous and kind support.

HERBERT POOLE, Principal.

Report of Hannibal Hamlin School

BANGOR, MAINE, June 18, 1915.

To the Superintendent of Schools:—

I herewith submit my second annual report of the Hannibal Hamlin School for the year 1914 and 1915.

School opened in September with all the rooms well filled. As there were too many pupils for the two ninth grades it was necessary to give one of the eighth grade teachers an Eighth and Ninth. This extra work fell to the lot of Miss Allamby and the results in both her grades were all that could be desired.

Only one other room had a mixed grade. This was the basement room which was in charge of Miss Whitley and had in it a fifth and sixth grade and the results in both were very satisfactory. The work throughout the building has been good and the result shows very few non-promotions.

The use of the ward room for the work in music has filled a long-felt need and has been greatly appreciated.

The new desks placed in some of the rooms have made them more pleasant and better to work in and this fact has been appreciated by both teachers and pupils and all have made an earnest effort to keep the desks in the best of condition.

The building has been well heated and the work of the janitor has been of the very best. He has kept the rooms clean and is both kind and courteous and always ready to assist either the teachers or myself.

I wish to thank the teachers and School Board for the many acts of kindness shown me during my stay in Bangor.

To you, Mr. Wormwood, I wish to extend my thanks for the kindness and the many helpful suggestions that have helped to smooth the rougher places and have made my work much easier and more pleasant.

Respectfully submitted,

CHARLES P. ALLEN, Principal.

Report of the Supervisor of Kindergartens

To the Superintendent of Schools:

It is impossible to sum up in a few words a work so important and far reaching as that of any good kindergarten. In compliance, however, with your request I respectfully present an expression of my hopes for the future and a general summary of the work of my department for the year ending June 18, 1915.

Probably in every report I have written during my fifteen years of supervision it has been stated, in thought if not in word, that more and more the great value of kindergarten work in education is being recognized. The work which Hon. P. P. Claxton, U. S. Commissioner of Education, is doing in cooperation with the International Kindergarten Union is sufficient proof of the high estimate he places upon this early training of little children. The U. S. Bureau of Education and the International Kindergarten Union have started out to provide kindergartens for four millions of little children in our land who are without educational facilities suited to their years. Thousands of thinking men and women have already awakened, as a result, to the realization that much educating, much developing, much saving of time and effort can be secured by utilizing the two formative years before the ordinary school age of six.

The attitude of a kindergarten child toward the world of nature and of people, toward play, toward work, his readiness in oral expression all testify to the value of the training. In order to awaken the right attitude toward nature the children are given some experience in planting bulbs and seeds during

the fall and spring and in caring for plants; in autumn they are taken out to gather seeds and leaves; in the winter season, especially when darkness shuts down before the bed hour, their attention is called to the wonderful lights of the night in order to awaken wonder and reverence.

Right attitude toward the people around them is also taught; they are helped to make use of the courteous "thank you;" they are helped to develop the habit of self-reliance in putting on wraps and rubbers; they are taught ready obedience and recognition of law and order as well as promptness and regularity in school attendance; they understand something of their relation to the whole school through obedience to general rules.

Through games, marches and rhythmic exercises the children are being helped, among other things, to follow simple directions, to form the habit of alertness, to cooperate with playmates and to respond to suggestions of the teacher. If space permitted it would be a pleasure to incorporate into this report the list of forty-four questions recently answered for the Bureau of Education at Washington upon the subject of a kindergarten child's attitude toward the life of nature and people.

In many of the reports submitted during the years referred to there has been a plea for better teachers of little children. Perhaps it is a hobby of mine, but it is a safe one to set forth year after year. The crying need of every known worthy cause is more consecration, and the kindergarten is no exception. Let us be done once for all with the slippery notion that any person who has had practical experience, even a large amount, who has had the required amount of technical preparation and who has announced to the world that she loves little children is FITTED to live with them during the formative years before the age of six.

Hamilton W. Mabi says that the personality of the kindergarten, like all teachers of young children, should be such that her every act and word and sign shall speak to the awakening and growing soul of the child. Such a person is hard to find. She should be sought, however, and when found should be secured regardless of length of service or locality. Some may say this is theoretically correct but practically it will not work in life. **IF THE KINDERGARTEN IS FOR THE CHILD IT WILL WORK; IF IT IS FOR THE TEACHER IT MAY NOT**

I trust that the time is near at hand when the sub-primary grade will be discontinued and the attendance in kindergarten of every child between five and six will be made compulsory. From conversation with many of the primary teachers I am confident that they will receive such rearrangement with pleasure, as it will tend to unify their work by making it possible for them to teach only children ready for the first grade.

As the years pass it is hoped that each teacher will come more and more to a full sense of the opportunity and responsibility which is hers outside the four walls of her kindergarten room. She should reach forward to join hands with the grade teacher and she simply **MUST** reach backward into the environment which has surrounded the child up to his fourth year if she would work intelligently with him, stimulating healthy mental, moral and physical growth. It is our purpose to know the mother of every child and to make her feel, if possible, that we are the child's best friends. Eight hundred thirty-seven calls in the homes have been made by the teachers during the year, two hundred forty-nine children have been looked up after an absence of three days and one thousand twenty-seven parents and friends received in the various kindergarten rooms.

The mother's meetings were so carefully advertised month

by month through the press that it is unnecessary to do more at this time than to record the attendance for the year. Excluding the Mary Antin lecture (the November meeting) one thousand three hundred thirty attended the public lectures on educational topics held in the High School Assembly Hall, three hundred seventy-eight were present at the October and mid-winter meetings appointed for the different rooms making a total of one thousand seven hundred eight. Some mothers whose children passed beyond the kindergarten three, four and five years ago still attend, proving to my mind the value of such gatherings, suggesting also what might result if parents all along the line were regular attendants.

Many people have expressed deep interest in the work of this department, many within the school department and out have contributed to it during the year. Each one deserves a public expression of thanks but the list would be too long, therefore in closing I will say to each, "He who helps a child helps humanity with a distinctness, with an immediateness, which no other help given to human creatures in any other stage of their human life can possibly give again."

Respectfully submitted,

NELLIE E. BROWN,

Supervisor of Kindergartens.

Report of the Medical Inspectors

To the Superintendent of Schools:—

The report of the Medical Inspectors of the Bangor Public Schools is hereby submitted.

The work of the medical inspectors is three-fold: to look after the sanitary arrangements of the schools, the hygiene of the pupils, and to notify parents, through the teachers, of any physical defect that interferes with the work of the pupils or is a menace to their health or comfort. No epidemic has occurred during the school year requiring the closure of the schools, excepting that a few cases of scarlet fever appeared in the fall requiring the dismissal of several rooms for a couple of weeks. Whooping cough was also somewhat prevalent. In this connection we would say that our methods of quarantining measles and whooping cough are not as effective as they might be. The latest authorities state that these diseases are most contagious in the pre-eruptive and pre-spasmodic stages, and so quarantine to be most effective in preventing the spread of these diseases should begin with the first suspicious symptom. We would therefore suggest that each teacher be instructed to look the pupils over very carefully each morning, and if there are any symptoms of cold, infection of the eyes, cough, running at the nose, sore throat, etc., an inspector should be notified or such pupils sent to an inspector. In this way it might be possible to get at the cases earlier and so prevent the spread of the contagion, more effectively than at present.

Pupils excluded from school because of the presence of vermin

upon them or of some parasitic disease, frequently do not receive any treatment at home and after a time are sent back to school in the same condition as when excluded. If the inspectors could have the services of a nurse to follow up such cases, and to see that the rules of quarantine, etc., are observed in other cases, it would make the work of the inspectors more effective. We would again suggest that a record be kept by the teachers of all pupils that are absent by reason of contagious disease so that the inspectors may know how many such cases occur during the school year. The majority of such cases return with a certificate from the family physician, so they do not come to the knowledge of the inspectors.

We would suggest that the rule in regard to absence from school be so modified that only those who have had some contagious disease or have been in contact with such be sent to the inspectors for a certificate. This will save pupils from wasting time hunting for an inspector for some trivial cause of absence which the teacher knows more about than the inspector.

Some of the suburban schools are still using a common drinking cup, and an open pail to contain the water. They should be furnished with separate cups and a closed tank.

Many school rooms are being dry-swept and dry-dusted. This, of course, is very unsanitary and the janitors should be so instructed. A tabulation of the work of the inspectors follows:

Whole number of pupils examined	3788
Whole number of cases of defective eyesight	202
Whole number of cases of defective hearing	27
Whole number of cases of adenoids	142
Whole number of cases of enlarged tonsils	318
Whole number of cases of defective teeth	464
Whole number of cases of parasitic infection	54
Whole number of cases of measles	9
Whole number of cases of whooping cough	31

Whole number of cases of scarlet fever	10
Whole number of cases of chicken pox	11
Whole number of cases of diphtheria	1
Whole number of cases of tuberculosis	2
Whole number of cases of skin disease	44
Whole number of cases of mumps	4
Whole number of cases of not vaccinated	165
Whole number of pupils excluded from school	354

There were of course, many cases of absence from contagious diseases that did not come to the knowledge of the inspectors as they had certificates from their family physicians.

Respectfully submitted

D. A. ROBINSON, Chairman.

Report of Manual Training Department

To Mr. Wormwood, Supt. of Schools:

Dear Sir:—

I herewith submit my annual report as Director of Manual Training and Drawing. As we began last fall with an entirely new staff in this department, we had to outline the course, and make changes as we thought advisable.

As Manual Training work is compulsory for boys in the 6th, 7th, 8th, and 9th grades, and there are a few over 500 in all the four grades, it is hard for one instructor to handle them. We have not accomplished nearly as much as we ought, for various reasons, which I shall point out.

First: The time allotted to each class is not enough, for instance, the 6th grade is given 40 minutes, and it generally takes 10 to 15 minutes to give instructions for the days' work, five minutes more to get out the work and find out where they left off the week before and five minutes to clean up and put the work away at the end of the period, leaving only 15-20 minutes for actual work each day of 9 to 12 hours each year. The other grades are the same.

Second: The classes coming one right after the other as they do, the instructor does not have time to clean away the work of one class and get ready for the next, neither does he have time to get out extra stock nor look after the tools.

Third. The number of students in each class averages too many. The Commission on Manual Training in Boston recommends the maximum as 15. The Massachusetts Commission

recommends 16 and the National Society for the Promotion of Industrial Education recommends 12 to 15, according to age. Our classes average 20 and some of them have more students than benches.

Fourth. I believe that the scholars of the sixth grade are too small to do the kind of manual training work that our equipment will allow. Very few cities allow the scholars to take manual training until the eighth or ninth grade and some cities teach it only in the High School. Raffia, cane weaving, and sloyd work and clay work are substituted in its place. If manual training work is begun in the eighth grade and two hours are allowed each week for it, more would be accomplished and better results would be obtained.

The High School classes in woodwork and machine work have worked out very well and much has been accomplished. Next year the work can be carried much further. At present the work is offered only two years in the High School and I believe that it should gradually extend to a four years' course.

The classes in mechanical drawing have not accomplished as much as they ought, mainly because the students are not advanced far enough in mathematics before taking it. I believe, and it is required in almost every High School, that algebra and plane geometry should be pre-requisite to mechanical drawing.

At present free hand drawing is not taught in the High School but I think that it should be and every student be required to take it one hour a week for four years unless mechanical drawing be substituted the last two years.

For the past year all the machinery in both metal and wood-working rooms has been used to the best advantage but there is room for more machinery and more is needed. In the woodworking room there is a band-saw, and a buzz planer, and in the metal room there is a planer, sensitive drill, speed lathe, grinder and a shaper.

It is with great pleasure that I call attention to the co-operation that all the teachers have given and especially the principals of the various schools. I wish to express my appreciation of the manner in which you and the Superintending School Committee have helped with suggestions and the prompt attention given the furnishing of supplies.

Very respectfully submitted,

BENJAMIN C. KENT,

Director.

Report of Domestic Science Department

Mr. D. Lyman Wormwood, Superintendent of Schools:

Following is the course in the Domestic Science Department:

GRADE VI

SEWING PROBLEMS

1. Sewing Bag
2. Hem a Towel
3. Pillow Case
4. Sewing Apron

Position in Sewing; directions for use of needle; thread; scissors.

Sample of Stitches

Even, Uneven, Long and Short Basting
Running
Overhanding
Overcasting
Cross Stitching

Models

French Seams
French Fell Seam
Folding a Hem
Mitering
Garment and True Bias
Putting on Bands
Plackets
Gathering and Sewing on Ruffles

GRADE VII

Problems

1. Hemstitched Handkerchief
2. Corset Cover or Chemise
3. Drawers

Machine Instruction

Use and Care of Machine

Use of Hemmer

Models

Button Holes

Whipped Seam

Sewing on hooks, eyes, tape

Darning Stockings

Tucking (Machine)

Instruction throughout the year in the manufacture of needles, pins, thread, scissors.

GRADE VIII

Problems:

Kimono, Apron or Nightgown

Petticoat or Slip

Cooking Apron and Cap

Embroidery (collars, jabots, doilies)

Models:

Three Cornered Darn

Straightway Darn

Hemmed on Patch

Overhanded Patch

{ Teach as Models
Apply on
Articles brought
from home.

Instruction in source and manufacture of cotton, linen, silk and wool.

The Ninth grades have Cookery and take the following Course:

- I. List and Care of Equipment.
- II. a. The Range—Care, cleaning, management of gas supply, practice of economy, use and care of individual stoves.
b. The Ice Box—construction; advantages; care.
- III. Beverages—Making of tea, coffee or chocolate.
- IV. Fruits—Stewed fruits; stewed prunes, apple sauce or baked apples.
- V. Vegetables—Experiments to show cellulose and starch; Prepare one sweet juice vegetable. Make white sauce.
- VI. Vegetables—Prepare two strong juice vegetables.
- VII. Vegetable Soups—One Cream Soup, One Puree with Crackers.
- VIII. Review and Written Lesson.
- IX. Starch—Experiments showing starch test; effect of heat and water. Prepare one corn-starch dessert.
- X. Sugar—Make one candy.
- XI. Cereals—Preparation of two cereals with and without fruit.
- XII. Scalloped Dishes—Preparation of one scalloped vegetable and one dessert.
- XIII. Milk—Prepare Cottage Cheese and Junket.
- XIV. Milk Products—Making of butter in a bowl.
- XV. Cheese—Preparation of macaroni, rice or potatoes with cheese.
- XVI. Eggs—Preparation of eggs cooked in water and directly over the fire.
- XVII. Milk and Egg Combination—Preparation of one baked and one boiled custard.
- XVIII. Meat—Study chart of cuts and uses. Have pupils draw an illustration of Boston Cuts.

XIX. Meat Continued—Broiling—Preparation of Chops and Hamburger Steak.

XX. Gelatine—The preparation of at least one gelatine dessert.

XXI. Fish—Prepare Fish Chowder.

XXII. Fish—Preparation of left-over fish in two ways.

XXIII. Flour Mixtures—Experiments with acids and an alkali to show formation of carbon dioxide gas. Prepare Sweet and Sour Milk Griddles.

XXIV. Flour—Test flour for gluten and starch. Prepare muffins.

XXV. Soft Doughs—Prepare Baking Powder Biscuits. Prepare Sour Milk Biscuits.

XXVI. Yeast Bread—Experiments with yeast. Preparation of Raised Rolls.

XXVII. Breads—Preparation of Rye or Entire Wheat Bread.

XXVIII. Invalid Cookery—Diets; Preparation of an Invalid's tray.

XXIX. Home Nursing—Care of sick room; care of patient. First Aid to the Injured. Household Sanitation. Disinfectants.

XXX. Cakes—Preparation and Baking of a simple cake.

XXXI. Salads—Preparation of two Salads using French and Boiled Dressing.

XXXII. Frozen Desserts—Preparation of two Ices.

XXXIII. Housekeeping—Sweeping, cleaning; dusting, dangers of vermin, disinfection.

XXXIV. Table Setting and Serving—Method and precision, Immaculateness of linen, Brightness of silver and glass, Noiseless Serving, Mock Service.

XXXV, XXXVI. Preparation and serving of a breakfast and luncheon by the class.

With this practical work they are taught also something of the composition and nutritive values of foods and their places in the diet.

The High School class devote three double periods a week to Domestic Science—one for Sewing and two for Cookery.

The work in cookery includes a knowledge of the fundamental principles of cookery with laboratory, experimental, and recitation work. This covers a study of the nutritive value, composition of cereals, and cereal products, vegetables, sugars, starches, fish, meats, batters and doughs. Throughout the year food values and dietetaries are discussed. Toward the close of the year simple menus are planned and served by the class.

In addition to the regular classes three afternoon classes were formed which registered fifty pupils.

The course in Sewing includes a review of the work in the grades. Undergarments, waists and skirts were made. This work is supplemented throughout the year with recitations on Shelter and Clothing.

A four years' course has been outlined which intends to give the girls a practical education in the Household Arts.

Miss Alice J. Harvey has taken the grade classes and through her enthusiasm and ability has gained very good results.

Respectfully submitted,

ARRA L. SUTTON MIXTER.

Report of the School Agent

To the Mayor and Members of the City Council:

I herewith submit the following report as School Agent for your consideration for the year ending Feb. 28, 1915:

At the beginning of the municipal year the school property was thoroughly gone over and much work was laid out for the summer vacation. Especial attention was paid to the interior of the buildings that they might be made light, clean and wholesome.

The woodwork in the Abraham Lincoln school received a coat of varnish, the steam pipes, radiators and grills were bronzed and the toilet rooms in the basement painted. The interior of this building is now in first class condition.

Three of the rooms in Hannibal Hamlin building were replaced with new school desks and seats; five of the rooms had new furniture for the teachers, and several new slate blackboards were put in. New stair treads were laid on the girls' side of the building and the principal's office was varnished, painted and calcimined. Several of the old indirect radiators were taken out and steam pipes substituted.

The old heating apparatus in the Valentine building, which consisted of three furnaces and a steam boiler, has been replaced by a steam plant. The boilers used were the ones taken from the old post office building, they being found to be in first class condition. The old system was expensive to run and the heat was unsatisfactory. The new boilers heat this building easily

and will save much fuel. The walls and ceilings of this schoolhouse were calcimined and the window sash on the outside were redrawn and painted. A new fire escape was added to the building to insure safety to the children.

The Center Street building was painted outside and the walls and ceilings of the rooms and halls were calcimined. New slate blackboards were put in some of the rooms.

At the Longfellow building two of the rooms and the lower hall received new steel ceilings. New toilet tanks were installed and the steam pipes in the basement were covered. New school desks and chairs were placed in the teachers' room to accommodate the overflow of scholars.

The walls and ceilings of the Elm Street schoolhouse were calcimined; the toilet rooms in the basement were painted and new slate blackboards put in.

The steel ceilings in the Larkin Street buildings were painted and the walls were calcimined.

The walls and ceilings in the rooms and halls in the State, Pearl and Allen Street schoolhouses were calcimined and a number of slate blackboards installed.

The Crosbyville schoolhouse was painted outside and the room was painted and calcimined. The chimney was also rebuilt.

In the Cottage Street and Third Street rooms new slate blackboards were put in and other work done.

In the suburban schools much work was done to better their condition.

The Bagley district schoolhouse was thoroughly renovated. A new hardwood floor was laid in the schoolroom and hall, new school desks and seats and teacher's desks and chairs were installed; the chimney rebuilt and interior painted and calcimined.

The interiors of the buildings in the Mt. Hope, Sherburne, Central and Fuller districts were painted and calcimined.

New slate blackboards were put in Bagley, Central, Odlin, Tyler and Fuller schoolhouses.

New teachers' furniture was installed in Mt. Hope, Hillside, Sherburne, North Bangor, Avenue, Odlin, Tyler and Fuller district buildings.

Wooden shutters were put in the windows of the Newbury Street building to keep out the storms and preserve the building as much as possible.

During the summer plans were made for additions to the Pearl and Allen Street schoolhouses to accommodate the kindergartens in these vicinities, but owing to the lack of funds this work was not carried out. I believe these additions should be built this year if possible.

The following are some of the recommendations I wish to make:

Special effort should be made this year to complete the work on the grounds about the High School building. It is very unsightly and detracts considerable from our beautiful building. Some idea of what might be accomplished in the way of improvements can be had by what was done on the library lot last year. A retaining wall should be built on Spring Street and concrete or cement walks laid about the building to make suitable entrances for the students, to the side and gymnasium doors. Catch basins will have to be installed about the building to take care of the water in case of heavy storms. In front of the building a suitable sidewalk should be laid. I believe a special appropriation under the head of High School Construction should be made for this work.

It would seem to me that a vacuum cleaning system should be installed in the High School building this year. The piping

for the system is already in and the expense ought not be very large to complete the work. I believe the sanitary conditions would be much improved and there would be a large saving in many ways.

The gutters on the Valentine building should be relined with iron as they are now in very bad condition and further delay may mean much injury to the cornice work. The woodwork on the outside should be painted and the interior woodwork varnished. A concrete walk about four feet wide should be laid on the west side of the building to keep the water from destroying the foundation. The vent pipe from the toilets should be carried through the roof instead of in the chimney. This would give better vent for the toilets and more draft to the chimney. I would advise putting on double windows in the girls' toilet room.

At Larkin Street some of the gutters are in bad condition and should be relined. The interior woodwork needs a coat of varnish and more steam radiation should be installed in two of the rooms. A large cesspool is needed in the lower part of the yard to take care of the water which comes from the marsh on the hill above the schoolhouse and which is now destroying property about the building.

The woodwork in the Elm and State Street buildings is very much in need of varnish and the window frames and sash should be painted.

In the suburban districts there is more or less work to be done on the Mt. Hope, Hillside, Sherburne, Avenue, Tyler and Fuller school buildings.

The work of the janitors during the year has been very satisfactory.

I take this opportunity to thank the members of the Superintending School Committee and the Superintendent of Schools

1915]

CITY OF BANGOR

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for the many kindly suggestions and acts of courtesy extended to me during the year.

Respectfully submitted,

GEORGE W. CLUFF,

School Agent.

Rules and Regulations of School Agent

Adopted June 2, 1914

DUTIES OF THE SCHOOL AGENT

1. It shall be the duty of the School Agent to visit all school buildings in the City at least twice each month, and the rural schools at least twice each term.

2. The School Agent shall look over the buildings and grounds, correcting, through the janitors, any neglect of their duties. He shall also see to it that the closets, outbuildings and fences are kept in proper shape.

3. The School Agent shall act as inspector of all repairs on school property. He shall impress upon the janitors the necessity of keeping the basements clean and free from waste paper and other material liable to cause fire.

4. It shall be the duty of the School Agent to see that all school buildings are supplied with flags and poles properly equipped for displaying the flag.

5. When a vacancy occurs in any school building by reason of sickness or absence of any janitor, it shall be the duty of said janitor to notify the School Agent who shall procure a substitute during such absence.

6. When such absence occurs the School Agent shall notify the Superintendent of any temporary change.

7. He shall make a report of schools visited and his findings monthly to the Superintendent.

8. The Agent shall perform the duties herein stated and any other duties which the School Board may direct.

9. The rules and regulations to take effect when approved by the School Board.

Report of Truant Officer

To the City Council:

I herewith submit the following annual report as Truant Officer for the year ending Feb. 28, 1915:

One hundred and sixty-nine cases of truancy were reported to me during the year and four warrants were issued for chronic truancy.

Respectfully submitted,

GEORGE W. CLUFF,
Truant Officer.

Class of 1915, Bangor High School

June 18, 1915

"Aulete aliquid dignum"

CLASS OFFICERS

ARNO C. SAVAGE, President

ELIZABETH K. THAXTER, Vice President

ETHEL O'CONNELL, Secretary and Treasurer

PROGRAM

Music.....	ORCHESTRA
Prayer	
Essay—The Value of Classical Studies,.....	FRANK A. MURPHY
Essay—Music in Art.....	LUCY T. CHAISON
Chorus—Unfold Ye Portals.....	<i>Gounod</i>
History.....	HAZEL E. PICKARD
Essay—Poetry—a Soul.....	LORA E. BLANDING
History.....	J. FREDERICK JORDAN
Chorus—Evening Wind, "Samson and Delilah,".....	<i>C. Saint-Saens</i>
Essay—The Education of the Musician.....	ROBERT A. PATTERSON
Parting Address.....	IRVING R. DONOVAN
Overture from "Maritana".....	ORCHESTRA
Conferring Diplomas	
Conferring Medals	

CLASS ODE

Rose M. Davis

Music by Bateman Edwards

Once more the world is glad; for heav'nly June,
All fraught with fragrance, sunshine, song, and dew,
Smiles in the flow'ring vales, the cloudless sky,
The worn-out earth restored to youth anew.

For Nature, ages old, is fresh and fair
As if this day had dawned her hour of birth;
Her great heart throbs exultant far and wide,
Her joy and beauty recreate the earth.

And we, who leave behind our childhood days
And find the parting ways of life so near,
Find highest hopes and aspirations stirred
In this fair time of sunshine and good cheer.

Oh classmates, friends, our playtime now is o'er;
We cannot pass our lives 'mid June's fresh flo'rs.
But may our youthful hopes and high desires
Still stay with us in somber, joyless hours.

May each dare something worthy, without fear
Of toil or pain, of unrewarded strife,
Of all the world's derision and rude scorn—
May each live bravely to the end of life!

The hour is come; we take our last farewell;
Our varied paths will henceforth lie apart,
But may the ties of friendship true remain
And evermore be treasured in each heart.

FIRST HONORS

Average of A for the Course in Order of Rank

Rose M. Davis*	Evelyn C. Eveleth	Margaret B. Gallagher
F. Velzora Withee	M. Ethel O'Connell	Jeannette Croxford*
Dorothy E. Harvey	Robert A. Patterson	Margaret Woodman
Susie B. Farmer	Anna P. Epstein	Gladys L. Hussey
Bessie H. Mills	Doris E. Brewer	Clarence H. Corning
Allene Chase	Charles M. Brady	Bateman Edwards
	Lillian B. Taylor	

*Two years.

SECOND HONORS

Average of B for the Course. Names Arranged Alphabetically

Lucy M. Ambrose	Rebecca Ginsberg	Gertrude Perry
Gladys E. Beverly	Mary A. Harrington	Evangeline H. Perkins
Lora E. Blanding	Faye F. Harvey	Hazel E. Pickard
Ada Boothby	Mary L. Jordan	Arthur L. Ramsdell
Clyde E. Burton	Lucie M. Knowles	Frances E. Robinson
Mary E. Chadwick*	Lillian M. Lane	Carrie H. Rowe
Lucy T. Chaison	Ida S. Levine	George A. Safford, Jr.
Gladys R. Colby	Katherine Makanna	Elizabeth H. Sawyer
Frances R. Crowley	Pauline Mansur	Gertrude A. Sprague
Ruth H. Dow	Cassie E. Moore	Elizabeth K. Thaxter
Lawrence B. Eddy	Frances M. Moriarty	Addie I. Thurston
Grace D. Emery	Frank A. Murphy	Alice E. Vasseur
Robert P. Ewer	Helena M. Nelligan	Ethel M. Wallace
Florice Farnham	Margaret M. O'Brien	Ella A. Wheeler
Josephine F. Gallagher	Margaret O'Leary	Mildred I. Wing

*Two years

HONORS IN ENGLISH ESSAYS

Girls

Lora Blanding
 Jeannette Croxford
 Lucy Chaison
 Faye F. Harvey
 Gladys E. Beverly

Boys

Robert A. Patterson
 Frank A. Murphy
 Robert P. Ewer
 Harry A. Alward
 Bateman Edwards

MEMBERS OF CLASS

Harry A. Alward
Lucy M. Ambrose
Charlotte E. Barnes
Gladys E. Beverly
Howard P. Black
Lora E. Blanding
Ada Boothby
Charles M. Brady, Jr.
Doris E. Brewer
Fred H. Brown
Clyde E. Burton
Irene F. Burton
Alfrieda E. Byer
Cordelia F. Carlisle
Doris E. Carr
Mary E. Chadwick
Lucy T. Chaison
Allene Chase
Priscilla M. Clark
Orestes Cleveland
Robert R. Cohen
Ralph F. Colburn
Gladys R. Colby
Helen B. Conway
Clarence H. Corning
Arthur M. Craig
Frances H. Crowley
Jeannette Croxford
Frances E. Daley
Rose M. Davis
Thomas Davis
Irving R. Donovan
Edmund A. Doran
Ruth H. Dow
Lawrence B. Eddy
Bateman Edwards
Grace D. Emery

Lucie M. Knowles
Agnes M. Lancaster
Lillian M. Lane
Ida S. Levine
Josephine A. Lintott
J. Stanley Loftus
Mary B. Lynch
Maxwell Macdonald
Madeline H. MacGregor
Donald F. MacKay
Lillian H. Magee
Mary E. McCann
Daniel L. McClay
Elizabeth C. McDonough
John F. McEwen
Raymond P. McNeil
Katherine R. Makanna
Pauline Mansur
John E. Merrifield
Hazel L. Merrifield
Marjorie T. Milan
Bessie H. Mills
Cassie E. Moore
Frances M. Moriarty
Frank A. Murphy
Helena M. Nelligan
Jessie E. Newcomb
Margaret M. O'Brien
M. Ethel O'Connell
Margaret O'Leary
Ethel B. Parker
Robert A. Patterson
Elna A. Pearson
Evangeline H. Perkins
Frederic E. Perkins
Gertrude Perry
Ruth S. Perry

Anna P. Epstein
Mary M. Evans
Evelyn G. Eveleth
Robert P. Ewer
Susie B. Farmer
Florice Farnham
Frances D. Finnigan
Mary F. Flannigan
June D. Folsom
James H. Freeland
J. Glynn Furey
Erma F. Furrow
Josephine F. Gallagher
Margaret P. Gallagher
Rebecca Ginsberg
Harold C. Grant
Helen M. Gregory
Stella G. Hallett
Edward F. Harden
Mary A. Harrington
Dorothy E. Harvey
Faye F. Harvey
Gladys L. Hussey
William G. Jarvis
Bryant E. Jones
J. Frederick Jordan
Mary L. Jordan
Edward H. Kelley
Marjorie L. King

Hazel E. Pickard
Theresa Pretto
Madeline B. Price
Arthur L. Ramsdell
Kenneth H. Redman
Frances E. Robinson
Carrie H. Rowe
Henry F. Ryder
George A. Safford, Jr.
Arno C. Savage
Elizabeth H. Sawyer
H. Edgar Seavey
Ruth H. Southard
Gertrude A. Sprague
Arthur J. Stevens
Caldwell Sweet, Jr.
Lillian Bach Taylor
Elizabeth K. Thaxter
George E. Thompson
Addie I. Thurston
Norman E. Torrey
Alice E. Vasseur
Ethel M. Wallace
Richard G. Webster
Irving B. West
Ella A. Wheeler
Mildred I. Wing
Flora V. Withee
Margaret Woodman

May D. Yerxa

GRADUATING EXERCISES
OF
THE NINTH GRADE
BANGOR GRAMMAR SCHOOLS

Assembly Hall, High School Building

Friday Afternoon, June 18, 1915, at 2.30 O'clock

PROGRAM

PRAYER

Chorus.....The Spacious Firmament ("Creation")
SCHOOL

Piano Solo—Message, La Capricieuse.....*Heller*
MARY GREGORY

Piano Solo.....
MARION E. STANHOPE

Piano Solo....."*Tilania*"
JOSEPHINE GARTLEY

Address.....
DONALD F. SNOW, Esq.

Chorus.....Welcome Pretty Primrose
SCHOOL

Vocal Solo.....
DORIS CIMBOLLEK

ACC. BY EDITH BLACK, MARIAN ROGERS

"Jane Jones".....
DOUGLASS THOMPSON

Piano Solo—Minuet.....(*Padereuski*)
DONALD EAMES

PRESENTATION OF MEDALS
PRESENTATION OF DIPLOMAS

Chorus.....Columbia
SCHOOL

LIST OF GRADUATES
ABRAHAM LINCOLN SCHOOL

Carolyn Winslow Adams
Marjorie O'Connell
Abraham Viner
Doris M. E. Cimbollek
Donald D. Mann
Appleton Gould
Ralph Hickson
Marion Prouty
Carl E. Andersen
Evelyn F. McInnis
Edith M. McFadden
Harold G. Hay
Mary Maher
William P. Burke
Carolyn Mae Erskine
Beatrice Snow Davis
Muriel A. Wynaught
Lillian M. Herbert
Edith Louis Black
Edward F. McCarthy
Geraldine Hallett
Hazel Louise Reed
Eleanor Mary Nelligan
Lena Segal
Lucy Dvorin
Alice Mabel Shaw
Joseph W. McEwen
Marion W. Rogers
Ralph H. Andersen
Robert M. Bailey
James Albert Black
Howard D. Burr
Alice H. Chase
Hazel Elizabeth Day
Franz R. Dolliver
Louis James Epstein

Agnes B. C. Olsen
Lloyd Edward Pickett
Clyde F. Pierce
Marion Frances Quinn
Lillian Raichlen
Edith F. Sewall
H. Vincent Smart
Gladys Louise Staples
Simon Louis Taines
Ruth A. Taylor
Ralph W. K. Turner
Hilda Varney
Charlotte E. Blanchard
Frances Arnold
Harry R. Bolton
Elizabeth M. Chalmers
Hazel Gertrude Coffey
Charles Joseph Cornell
Jennie Dennis
Lillian Emple
Louis Ferris
Helena Gertrude Klatt
William E. Fish, Jr.
Walter Sumner Greeley
Pauline Emily Guth
Marion Earle Haskell
Francis Arnold Hardy
Abe J. Harris
Ruth Holden
Reginald Lovely Jarvis
Sara Koritsky
Helen E. McGregor
Violet Laura L. Mills
Edith Sprague Morse
Natalie Pierce
Harold Edward Rose

Jennie Ginsberg
Tibie R. Goldberg
Georgia E. Green
John Robert Hickson
Annie Frances Kilfoil
Margaret Manchester
Walter R. Whitney

Verna Ethel Smith
Edith Anna Sprague
Marion E. Stanhope
Douglas Irvin Thompson
James Raymond Trainor
Charlotte Vose
Elfreda M. Walsh

HANNIBAL HAMLIN SCHOOL

Lyman W. Blake
James E. Buckley, Jr.
Hilda F. Emerson
Madeline V. Erickson
Samuel George Gallison
Mary H. Gregory
Olive Frances Gregory
John Wilson Harthorne
Everett Harold Hodgins
Mary Irene McCart
Rodney E. Orters
Doris Winifred Plaisted
Earle A. Robinson
Frederick J. Sullivan
Charles Joseph Wilson
Charles S. MacDonald
Robert Caldwell McCann
Mabelle Frances Colby
Myrtle Isbael Mooney
Katherine Frances Eaton
Donald J. Eames
Ruth Elsie Shannon
Tempa Evelyn Folts
John Edward Wilson
Clyde Raymond Phillips
John M. Mower
Esther Marion Orcutt
Robert Edward Dysart
Mildred Harriet Bright

Verna G. McCosker
Rowene Hersey
Charles T. Campbell
Beulah Agnes Atherton
Edna Melissa Hamm
Robert B. Matthews
S. Alice Graham
Albert L. Driscoll
Donald E. Robinson
Clifford Albion Patten
Margaret R. Mason
Gertrude Cohen
Edward W. Barker
Walter C. Bullock
Edna A. C. Bille
Clarence W. Manning
Edna Lucy Page
Cardmn J. Battles
Bernice Jacobs
Louise J. Ewer
Frances Johanna Pearson
Paul J. Searlès
Nellie C. Dysart
Phillip Emery Parsons
Hulda Doris Parsons
Ruth Lenora Richardson
Maurice M. Raynes
Harold B. Clark
Minnie Belle Hodgins

Crane A. Morrison
A. Frances E. Stuart
Mildred Hart Hunt
Ralph J. McNeil
Leon C. Grady
John E. Short, Jr.
John S. Belinian
George Winfield Smith
Jean M. MacLean
Frank E. Washburne
Garvin L. Smith
Austin A. Doten

Marjorie Lee Abbott
Philip Sheridan Smith
Cecil Ryder Preble
William J. Hall
Vera M. Gordon
George A. Daley, Jr.
Doris Marie Higgins
Arabelle Gray Hamilton
Catherine A. O'Leary
Fred Roscoe Johnston
Ralph Rogers Thompson
Josephine M. Gartley

RURALS

Gladys L. Bartlett
Esther E. Kinney
Ralph W. Vague
Mary J. Shannon
Bergie C. Burrill
Mary Legarde Miller
Pauline Watson

Ruth Margaret Eveleth
Herbert Rufus Hillman
Albion M. Dorr
Silvia Willis
Walter F. Dykeman
Charles H. Budway
Ernil Hjalmar Gren

Bangor City Government

1915-1916

Mayor, FRANK ROBINSON

ALDERMEN

Ward 1. Edward R. Hickson	Ward 4. Fred C. Ridley
Ward 2. James E. Rogers	Ward 5. Eben W. Blunt
Ward 3. Chas. H. Hubbard	Ward 6. Frank O. Youngs
Ward 7. William J. Largay	

City Clerk and Clerk of Board, VICTOR BRETT

COMMON COUNCILMEN

President, Harry E. Farnham

Ward 1

Charles A. Quimby	Walter T. Burns	William P. Flanigan
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Ward 2

Cornelius J. O'Leary	John E. Loftus	Thomas W. Kelley
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Ward 3

John M. Grant	Joel W. Judkins	Frank S. Morse
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Ward 4

Ralph V. Morrison	Benjamin W. Mayo	Frank MacLennan
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Ward 5

Harry E. Farnham	Charles F. Winchester	James M. Gillin
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Ward 6

Charles E. Black	Elmer E. Barker	Henry B. Thoms
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Ward 7

William F. White	Edward J. Conley	James A. Gallagher
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Clerk of Board, Thomas G. Donovan

WARD OFFICERS

WARDENS

Ward 1.	Lawrence E. Toole
Ward 2.	Charles H. Milan
Ward 3.	John G. Fenno
Ward 4.	Joseph T. Holbrook
Ward 5.	John Goldthwait
Ward 6.	Arthur W. Archer
Ward 7.	Ralph F. Wood

WARD CLERKS

Ward 1.	William H. Corcoran
Ward 2.	George F. Loftus
Ward 3.	Elmer O. Whitten
Ward 4.	Chas. H. Sinnott
Ward 5.	John H. Pritchard
Ward 6.	F. C. Bradbury
Ward 7.	Charles E. Sweeney

ELECTION OFFICERS

CLERKS APPOINTED BY THE MUNICIPAL OFFICERS IN THE MONTH OF MAY, 1912

Ward 1.	R., John L. Gaffney.....	Ballot Clerk
	D., ...	Ballot Clerk
	R., Arthur A. Allen.....	Election Clerk
	D., John S. O'Leary.....	Election Clerk
Ward 2.	R., Harry Honey.....	Ballot Clerk
	D., E. F. Kelley, Jr.....	Ballot Clerk
	R., James Gibbons.....	Election Clerk
	D., Joseph F. Carr.....	Election Clerk
Ward 3.	R., H. L. Archer.....	Ballot Clerk
	D., Timothy Hollihan.....	Ballot Clerk
	R., Abbot C. Smith.....	Election Clerk
	D., Patrick H. Quinn.....	Election Clerk

Ward 4.	R., Cony A. Pooler.....	Ballot Clerk
	D., John B. Finn.....	Ballot Clerk
	R., John C. Bowen.....	Election Clerk
	D., William H. McCart.....	Election Clerk
Ward 5.	R., Myer Epstein.....	Ballot Clerk
	D., F. E. Miller.....	Ballot Clerk
	R., Geo. W. Cluff.....	Election Clerk
	D., Frank T. Swan.....	Election Clerk
Ward 6.	R., Edwin S. Mason.....	Ballot Clerk
	D., John G. Mooney.....	Ballot Clerk
	R., Robert Crockett.....	Election Clerk
	D., Wm. Shaughnessy.....	Election Clerk
Ward 7.	R., Ashley B. Wood.....	Ballot Clerk
	D., David J. McGrath.....	Ballot Clerk
	R., Guy L. Peavey.....	Election Clerk
	D., Thomas A. Curran.....	Election Clerk

BOARD OF REGISTRATION

Michael J. Brennan, Chairman.....	Term expires May 1, 1919
Daniel F. McCarthy.....	Term expires May 1, 1917
Daniel W. Nason.....	Term expires May 1, 1917

CITY OFFICERS

1915-1916

ELECTED BY THE CITY COUNCIL

City Clerk—Victor Brett.
 City Treasurer and Collector—Henry O. Pierce.
 City Solicitor—P. B. Gardner.
 Chief of Police—Thomas E. O'Donohue.
 City Electrician—James E. Logan.
 Street Commissioner—Frank E. Pressey.
 City Engineer—Frank E. Pressey.
 Superintendent of Sewers—G. Sanford Seavey
 School Agent and Truant Officer—Geo. W. Cluff.
 Superintendent of Schools—D. Lyman Wormwood.
 Chief Engineer of Fire Department—Dennis Curran.
 City Physician—H. W. Osgood.
 Harbor Master—Edwin Lord.

ASSESSORS

Geo. G. Nelson.....	Term expires 1918
Chas. F. Sweet.....	Term expires 1916
Frank A. Garnsey.....	Term expires 1917

OVERSEERS OF THE POOR

James Gibbons.....	Term expires 1918
Alden L. Chase.....	Term expires 1916
John T. Kelliher.....	Term expires 1917

SCHOOL COMMITTEE

Daniel McCann.....	Term expires 1918
C. Parker Crowell.....	Term expires 1918
Abram L. Kirstein.....	Term expires 1917
P. H. Vose.....	Term expires 1916
Geo. W. Wescott.....	Term expires 1916

STREET ENGINEERS

F. D. Pressey, ex-officio, Fred C. Ridley, Henry B. Thoms.

CEMETERY BOARD

A. H. Harding, Chas. F. Bragg, D. A. Maxfield.

Constables—Thomas E. O'Donohue, John T. Mackie, Calvin Knaide, J. W. Judkins, Frank M. Douglas, William E. Dyer, Thomas F. Allen, Guy L. Peavey, H. L. Archer, G. A. Tibbetts, Warren H. Reed, G. W. Cluff, Forest Baker, Paul D. Higgins, Frank Hirsch, P. H. Jacobs, D. W. McGrath, Jr., Frank J. Rogan, C. E. Williams, J. Fred Sheehan, W. W. Herne.

Surveyors of Lumber—W. G. Canney, S. A. Cornish, Harry M. Smith, Joseph J. Porter, J. E. Gillispie, Albert J. Howell, D. J. McGrath, Jr., Frank E. Flaherty.

Fence Viewers—Chas. F. Foster, Joseph B. Leathers, Chas. A. York, L. H. Bunker, Ira P. Watson, Nathan Saunders, Frank H. Prilay.

Field Drivers—Donald F. Snow, Frank H. Prilay.

Pound Keeper—Daniel Maher.

BANGOR WATER BOARD

Frank Robinson, Mayor, ex-officio.

M. S. Clifford.....	Term expires March, 1918
B. M. Kirstein.....	Term expires March, 1916
W. S. Higgins.....	Term expires March, 1916
Frank P. Denaco.....	Term expires March, 1917
John F. Woodman.....	Term expires March, 1917
M. S. Clifford.....	Term expires March, 1918
A. L. Blanchard.....	Term expires March, 1918

CLERK AND COLLECTOR

Walter I. Brown

Superintendent—Melville A. Sinclair

Chief Engeneer—J. W. Dougherty

Inspector—Cornelius O'Brien

Consulting Chemist—Prof. James M. Caird

Resident Chemist—A. C. Powell

TRUSTEES OF HERSEY FUND

Frank Robinson, Mayor, ex-officio.

Henry O. Pierce, Treasurer, ex-officio.

William F. Curran.....Term expires February, 1919

Frederic W. Adams.....Term expires February, 1917

Arthur Chapin.....Term expires February, 1921

APPOINTED BY THE MAYOR AND ALDERMEN

Inspector of buildings—Henry J. McCarthy.

City Treasurer's Assistant—Thomas G. Donovan.

Sealer of Weights and Measures—Joseph H. McAuley.

Special Policeman and Dog Constable—Frank Hirsch.

City Missionary—Mrs. Jennie McPhee Johnson.

Inspector of Milk—Hugh F. Quinn.

Inspector of Plumbing—Thomas V. Campbell.

POLICE DEPARTMENT

Chief of Police, Thos. E. O'Donohue

REGULAR POLICEMEN

Fahey, James L., Deputy Chief

Knaide, Calvin, Inspector

McAlister, William F., Sergt.

Sproul, Benjamin P.

Golden, Frank J., Capt.

Berry, Horace S.

O'Leary Simon

Baker, Harry P.

Donovan, Cornelius

Griffin, Dennis J.

Reid, Ralph G.

Rogan, Frank J.

Mackie, John T.

Perkins, Fred J.

Powers, A. A.

Meade, William H.

Bean, Fred H.

Kennedy, Daniel F.

Reagan, James E.

Holmes, Walter R.

Carey, Charles F.

Mahoney, John W.

Gehigan, William H.

Phillips, Ambrose L.

Connors, James A.

Robinson, Robert B.

Beck, James P.

Rowe, Emery A.

Nagle, William J.

Rogers, Timothy

Special, Leo. E. McNeil, patrol driver and machinist.

Special, Peter Courtney, Brewer Bridge

SPECIAL PATROLMEN

George F. Loftus

Dolur Veilleux

Frank E. Foley

POLICE EXAMINING BOARD

H. W. Osgood, City Physician, ex-officio.

Chas. M. Stewart.....Term expires March, 1916

H. T. Williams.....Term expires March, 1917

BOARD OF HEALTH

John Goldthwait.....Term expires March, 1916

H. W. Osgood.....Term expires March, 1917

John E. Kelley.....Term expires March, 1918

SEWER BOARD

Alderman, James E. Rogers.

Ira P. Watson.....Term expires March, 1916

Arthur H. Black.....Term expires March, 1917

G. S. Seavey, Sup't of sewers, ex-officio.

PARK COMMISSIONERS

Wm. C. Iverson.....Term expires March, 1916

P. J. Byrnes.....Term expires March, 1917

Chas. E. Sweeney.....Term expires March, 1918

Measurers of Wood and Bark—Arthur Wentworth, T. H. Donovan, Amory W. Staples, Chas. A. Elkins, Geo. A. Daley, Wm. P. Smiley, Chas. M. Stewart, C. G. Chalmers, R. M. Nason, A. J. Robinson, Fred B. Tuck, Eben W. Blunt, W. B. Crossman, F. G. Eaton, Albert Weston, Hosea B. Buck.

Public Weighers and Gaugers—John F. Woodman, A. H. Babcock, J. McManus, J. F. Angle, C. J. Noble, F. C. Brackett, F. F. Rich, Arthur Wentworth, C. E. Field, A. S. Field, W. T. Smith, G. A. Daley, I. W. Barker, C. M. Stewart, Chas. Grover, C. G. Chalmers, Fred B. Tuck, Samuel J. Robinson, W. A. Decker, W. F. Brackett, J. F. Green, Elmer E. Barker, E. C. Graham, Geo. F. Cameron, Eben W. Blunt, James Hayes, A. A. Crowell, H. C. Applebee, Peter A. Currier, J. M. Murphy, Albert Wes-

ton, C. D. Bartlett, R. A. Dyer, F. M. Woodman, Henry F. Whitman,
Abram Brown, Edward H. Toole, W. H. Staples.

SUPERINTENDENT OF BURIALS

Reuben E. Hathorn

UNDERTAKERS

Reuben E. Hathorn—Mt. Hope.

Patrick Quine—Mt. Pleasant.

Ralph C. Eveleth—Oak Grove, Finson road.

Edward H. Allen—Pine Grove, Carmel road.

W. H. Bryant—Maple Grove, Pushaw road.

SUPERINTENDENT OF CLOCKS

(Employed by the Mayor)

F. E. Mincher

APPOINTED BY BOARD OF HEALTH

Inspector of Plumbing—Thomas V. Campbell

SUPERINTENDENT OF ALMSHOUSE

(Appointed by the Mayor)

Wm. W. Pennell

ASSISTANT ASSESSORS

(Appointed by Assessors and approved by Mayor and Aldermen)

- Ward 1. Harry A. Allen
- Ward 2. Ralph B. Douglass
- Ward 3. Sidney J. Grant
- Ward 4. Augustine Palmer
- Ward 5. J. H. Stone
- Ward 6. Olin L. Clement
- Ward 7. J. Fred Sheehan

CHIEF OF FIRE DEPARTMENT

Dennis Curran

OFFICERS OF THE DEPARTMENT

(Appointed by the Chief Engineer and Approved by Aldermen)

CENTRAL STATION

Wm. S. Mason,.....	1st District Chief.....	Salary, \$2.65 per day
J. Frank Granville.....	2d District Chief.....	Salary, \$2.65 per day
Ellis S. Fogg.....	3d District Chief.....	Salary, \$2.65 per day
Geo. K. Adams.....	Sec. and Chauffeur.....	Salary, \$2.75 per day
John T. Gulliver.....	Hoseman.....	Salary, \$2.40 per day
Daniel T. Sexton.....	Hoseman.....	Salary, \$2.40 per day
Wm. L. Graffam.....	Driver of Steamer.....	Salary, \$2.40 per day
D. H. Goodwin.....	Hoseman.....	Salary, \$2.40 per day
Nathan Speed.....	Engineer of Steamer.....	Salary, \$2.40 per day
Chas. Johnson.....	Driver of Aerial Truck.....	Salary, \$2.40 per day
E. E. Morrison.....	Asst. Driver Aerial Truck.....	Salary, \$2.40 per day
Seth D. Libby.....	Aerial Ladder Man.....	Salary, \$2.40 per day
Chester P. Clark.....	Aerial Ladder Man.....	Salary, \$2.40 per day
Geo. A. Rimbach.....	Aerial Ladder Man.....	Salary, \$2.40 per day

STATION NO. 2

Thomas H. Rogan.....	Driver Hose.....	Salary, \$2.40 per day
Jas. Sullivan.....	Asst. Driver Hose.....	Salary, \$2.40 per day
Jere Sullivan.....	Night Man.....	Salary, \$10.00 per mo.
Frank O. Burr.....	Night Man.....	Salary, \$10.00 per mo.

STATION NO. 3

Albert B. Smith.....	Driver Hose.....	Salary, \$2.40 per day
Geo. A. Darling.....	Asst. Driver Hose.....	Salary, \$2.40 per day
Chas. H. Pierce.....	Night Man.....	Salary, \$10.00 per mo.
A. L. Constantine.....	Night Man.....	Salary, \$10.00 per mo.

STATION NO. 4

Wm. J. Charlton	Driver Hose	Salary, \$2.40 per day
Daniel F. Mooney	Driver Steamer	Salary, \$2.40 per day
Frank E. Bracey	Engineer of Steamer	Salary, \$2.40 per day
Geo. T. Charlton	Night Man	Salary, \$10.00 per mo.
Bert R. Hodgdon	Night Man	Salary, \$10.00 per mo.

STATION NO. 5

A. C. Lambert	Driver Hose	Salary, \$2.40 per day
James E. Crowley	Asst. Driver Hose	Salary, \$2.40 per day
John S. O'Leary	Driver Ladder Truck	Salary, \$2.40 per day
Wm. McGrath	Asst. Driver Truck	Salary, \$2.40 per day
G. H. Finnigan	Night Man	Salary, \$10.00 per mo.
Lyndon Hurd	Night Man	Salary, \$10.00 per mo.
Patrick A. Cushing	Night Man	Salary, \$10.00 per mo.

STATION NO. 6

H. J. Coleman	Driver Hose	Salary, \$2.40 per day
H. N. Mason	Asst. Driver Hose	Salary, \$2.40 per day
Dennis J. Givren	Driver Steamer	Salary, \$2.40 per day
Otis E. Gray	Engineer Steamer	Salary, \$2.40 per day
A. W. Varley	Night Man	Salary, \$10.00 per mo.
M. Moriarty, Jr.	Night Man	Salary, \$10.00 per mo.

STANDING COMMITTEES

ON FINANCE

The Mayor and President of Common Council, *ex-officio*,
Alderman Hubbard, Councilmen Grant and O'Leary

ON ACCOUNTS AND CLAIMS

Alderman Hubbard, Councilmen Gillin and Gallagher

ON STREETS AND HIGHWAYS

Alderman Hickson, Councilmen Morse and Morrison

ON SCHOOLS

Alderman Blunt, Councilmen Black and Quimby

ON FIRE DEPARTMENT

Alderman Youngs, Councilmen Barker and White

ON PAUPER DEPARTMENT

Alderman Rogers, Councilmen Grant and Winchester

ON WATER

Alderman Ridley, Councilmen Mayo and Conley

ON STREET LIGHTS

Alderman Largay, Councilmen Winchester and Thoms

ON CITY PROPERTY

Alderman Ridley, Councilmen Thoms and Burns

ON DEPARTMENT OF SUPPLIES

The Mayor and Aldermen Largay and Hubbard

ON INSURANCE

Alderman Hickson

Councilmen Black and Judkins

ON PUBLIC UTILITIES

Alderman Blunt,

Councilmen MacLennan and Kelley

ON TAXATION

Alderman Rogers,

Councilmen Judkins and Morrison

ON BY-LAWS AND POLICE REGULATIONS

Alderman Hickson,

Councilmen Gillin and Morse

ON ENGROSSED BILLS

Alderman Youngs,

Councilmen MacLennan and Loftus

ON ELECTIONS

Aldermen Largay, Youngs and Blunt

ON ELECTIONS IN COMMON COUNCIL

Councilmen Mayo, Barker and Flanigan

SALARIES OF SUBORDINATE OFFICERS

Mayor.....	\$1,500 00
City Clerk.....	1,000 00
Clerk of Common Council.....	125 00
Chief of Police (including horse hire).....	1,350 00
Police-Deputy, Inspector and Captains, each, per day.....	2 75
Policeman, each day.....	2 65
Street Commissioner.....	1,075 00
City Solicitor, including office rent.....	600 00
Chief Engineer of Fire Department (who shall devote all his time to the office) including keeping of horse.....	1,200 00
Harbor Master.....	400 00
Truant Officer, fixed by School Dept.....	350 00
Board of health, Secretary, (including horse hire).....	400 00
The other two members, each.....	50 00
Inspector of Plumbing.....	600 00
City Treasurer and Collector of Taxes.....	2,000 00
Treasurer's Assistant.....	1,200 00
Overseers of the Poor, Sec. (including horse hire).....	600 00
The other two members, each (including horse hire).....	400 00
Superintendent of Almshouse.....	1,000 00
Superintendent of Schools.....	2,500 00
School Agent (including horse hire).....	700 00
Street Engineers (including horse hire) Alderman.....	100 00
Street Engineers, Councilman.....	50 00
School Committee, each.....	60 00
City Physician, (including horse hire and all services except in cases of smallpox, cholera and yellow fever, and the city to furnish all medicines).....	400 00
City Engineer, (including horse hire).....	1,075 00
City Engineer's assistants.....	3,000 00
Assessors, each, (including all services and horse hire).....	1,200 00
Assistant Assessors, per day, each.....	2 50
Superintendent of Sewers, (including horse hire).....	1,100 00

Superintendent of Supplies.....	2,000 00
Superintendent of public clocks.....	150 00
City Auditor.....	1,500 00
City Electrician (including horse hire).....	1,500 00
Clerk of Water Board.....	1,500 00
Engineer of Water Works.....	1,200 00
Superintendent of Water Dept.....	1,500 00
Undertaker (R. E. Hathorn) (fixed by Ordinance).....	300 00
Undertaker (Patrick Quine) (fixed by Ordinance).....	200 00
Milk Inspector.....	300 00

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